

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

MARCEL ZVI SCHREIBER, ET AL.

Application No.:

Filed:

For: **INSTANCE BROWSER FOR
ONTOLOGY - cip**

Art Group:

Examiner:

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 51 sheets including 31 Figures. Applicant hereby authorizes any additional extension or petition fees under 37 C.F.R. §1.17 or credit for any overpayment to our Deposit Account No. 02-2666. A copy of the Fee Transmittal sheet is enclosed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 7/5/9


Eric S. Hyman, Reg. No. 30,139

12400 Wilshire Blvd., 7th Floor
Los Angeles, California 90025
Telephone: (310) 207-3800

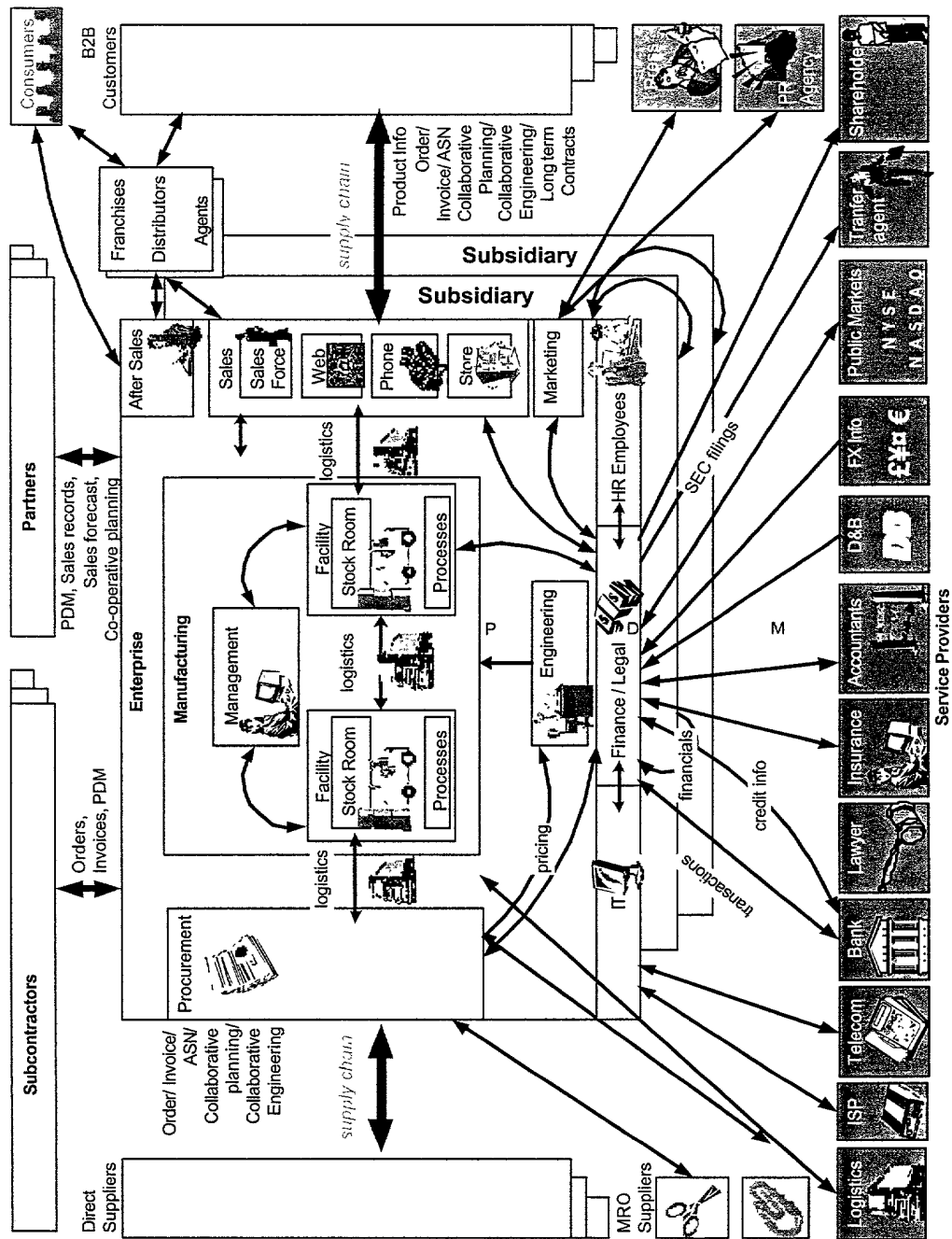


FIG. 1A

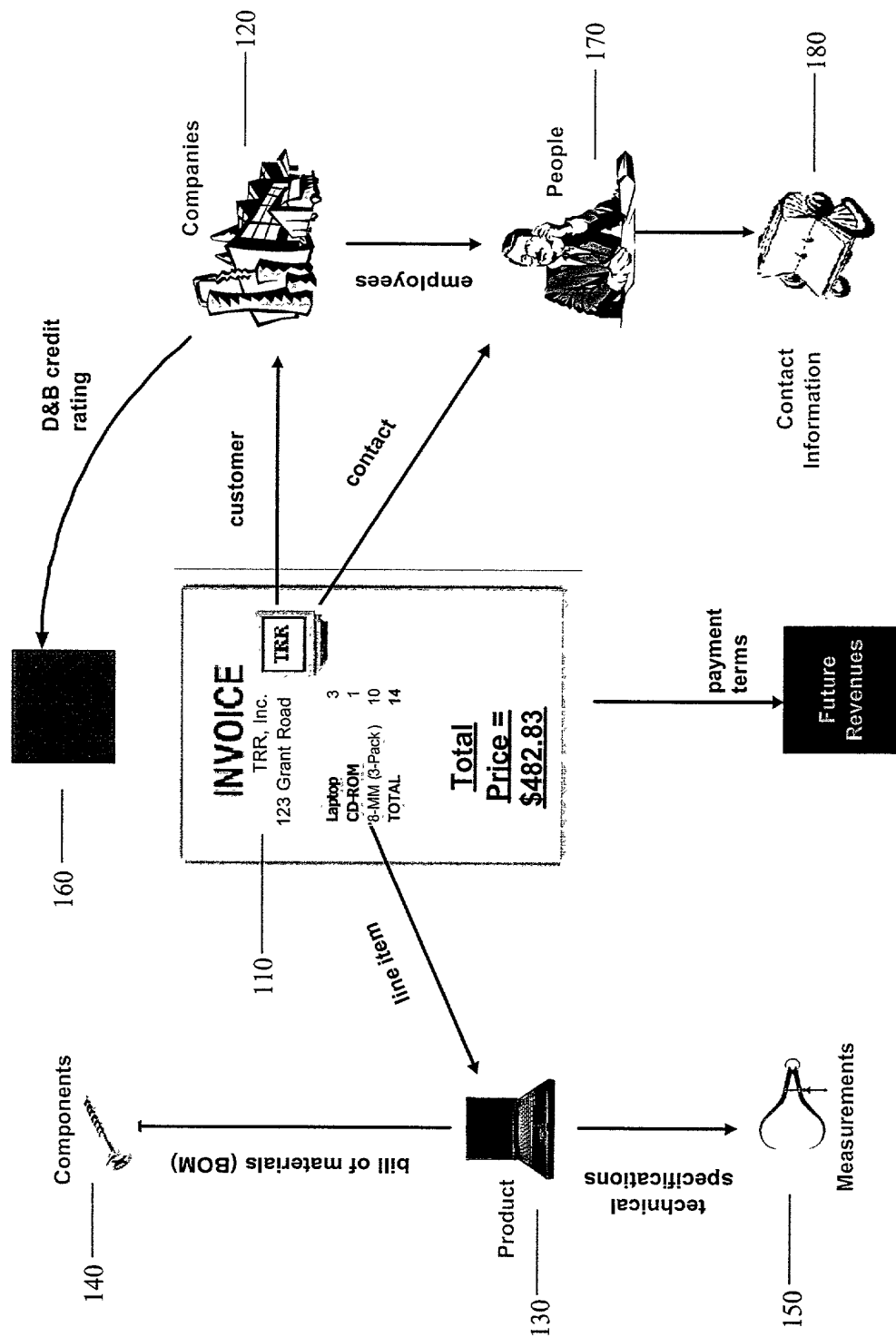


FIG. 1B

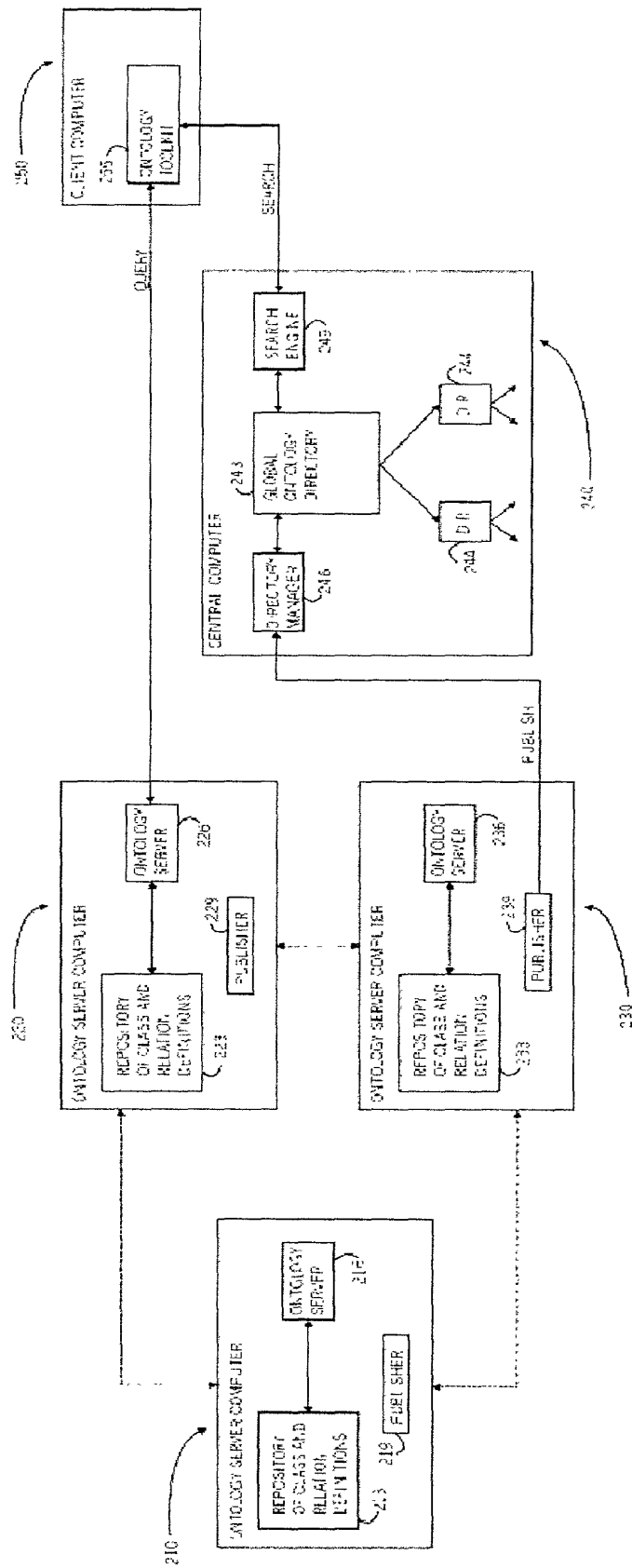


FIG. 2

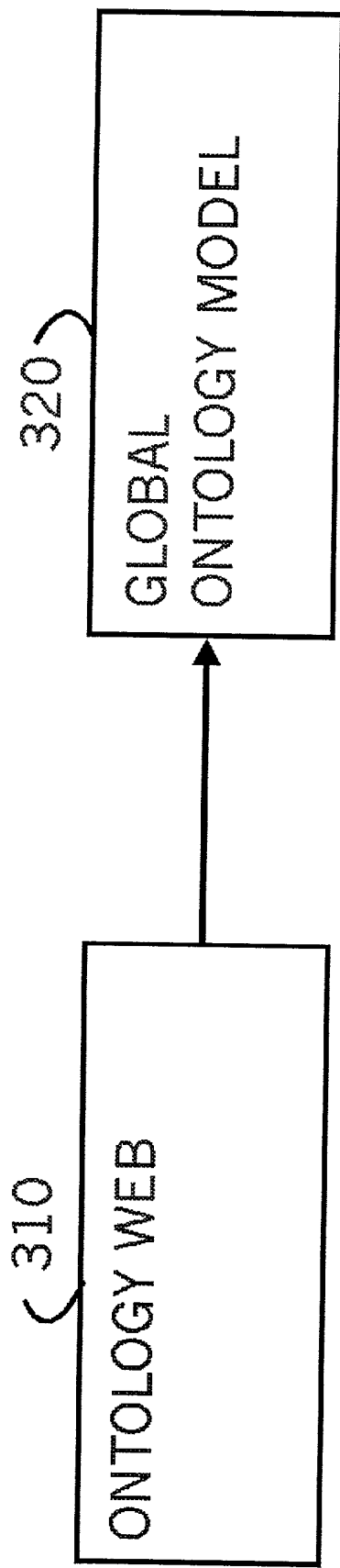


FIG. 3

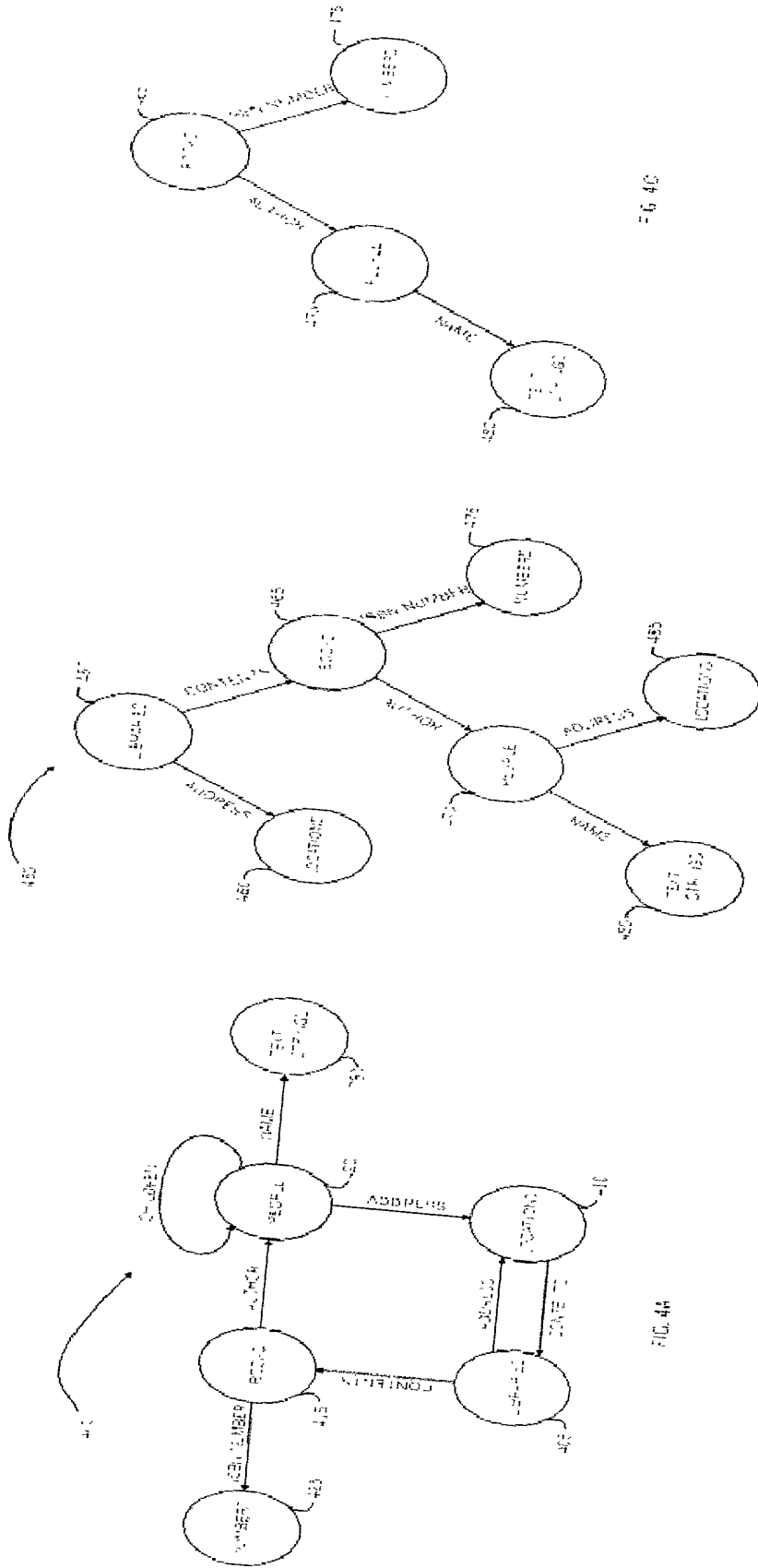


FIG. 4A

FIG. 4B

FIG. 4C

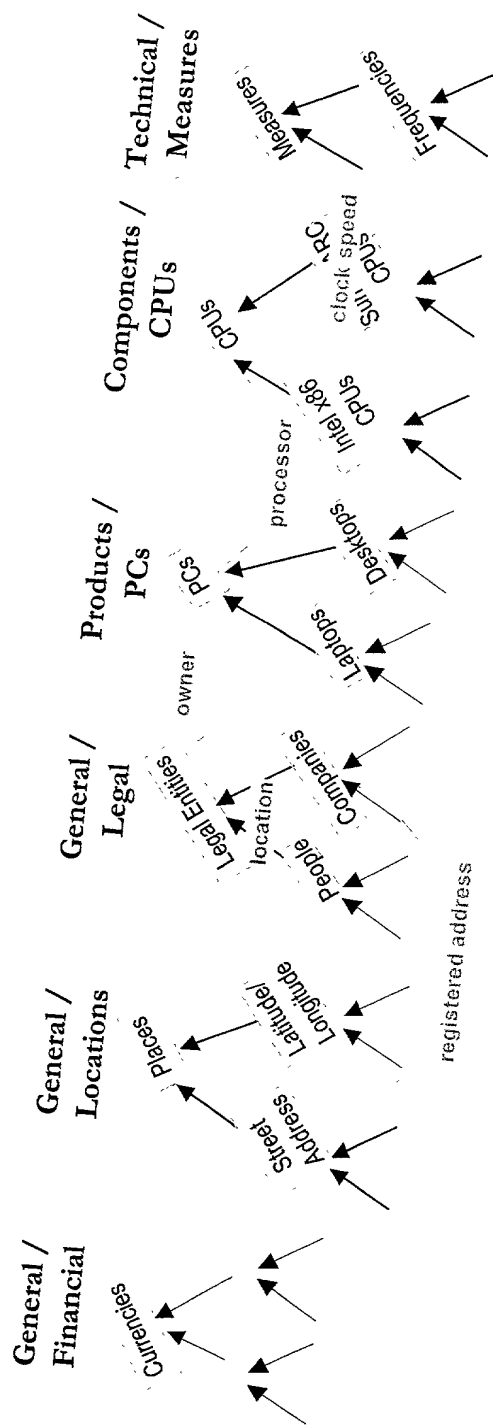


FIG. 5A

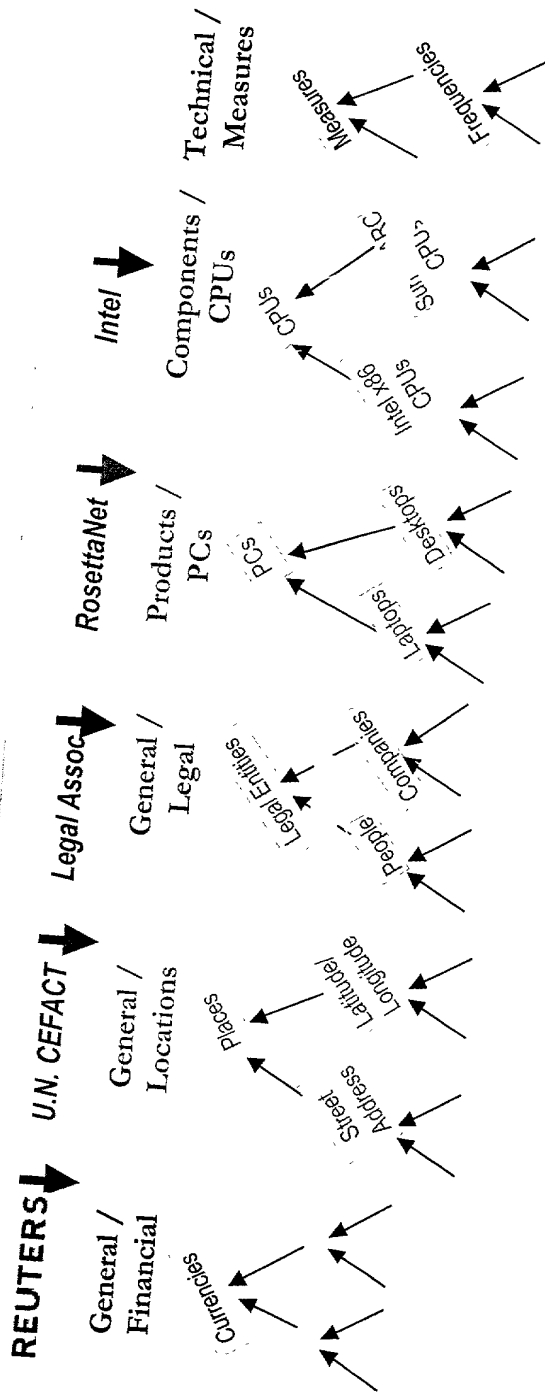


FIG. 5B

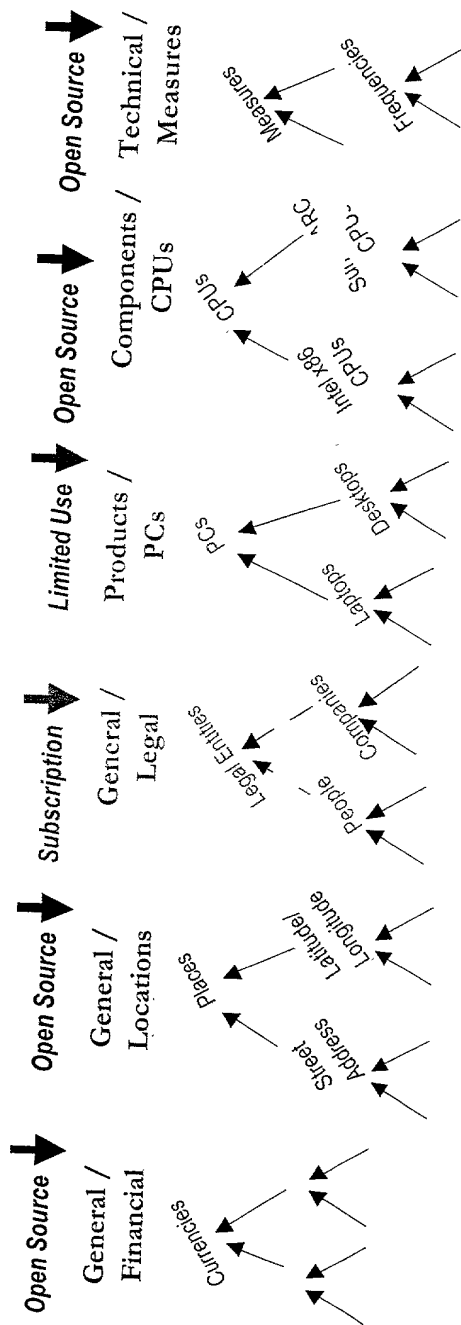


FIG. 5C

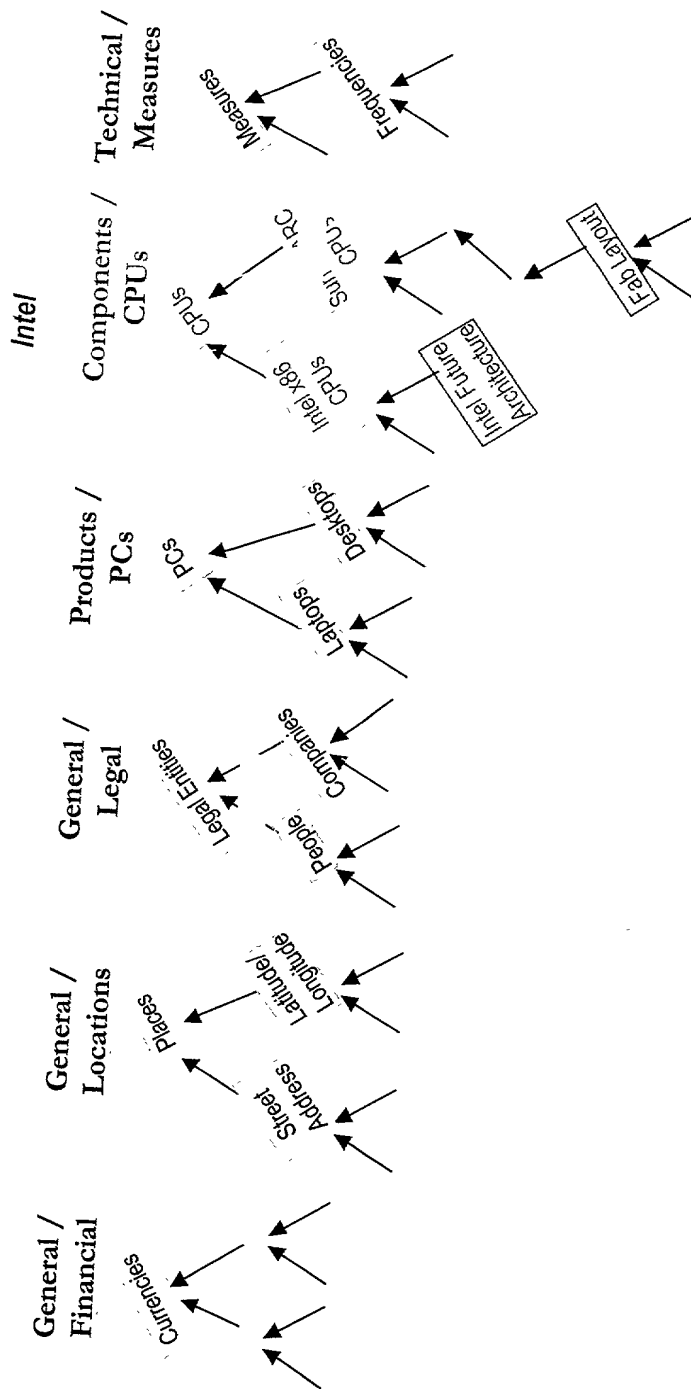
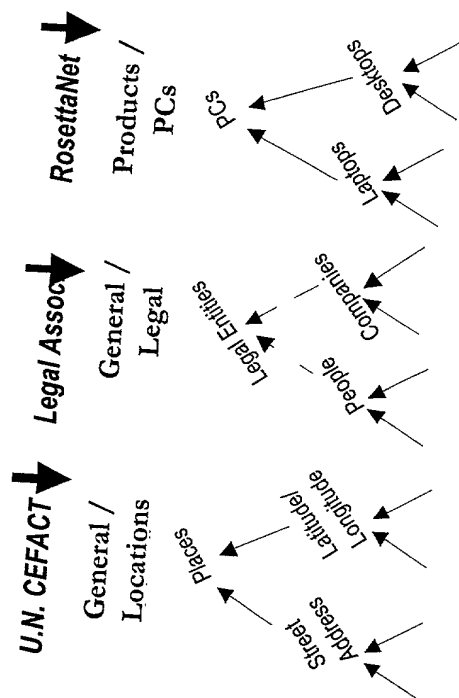


FIG. 5D



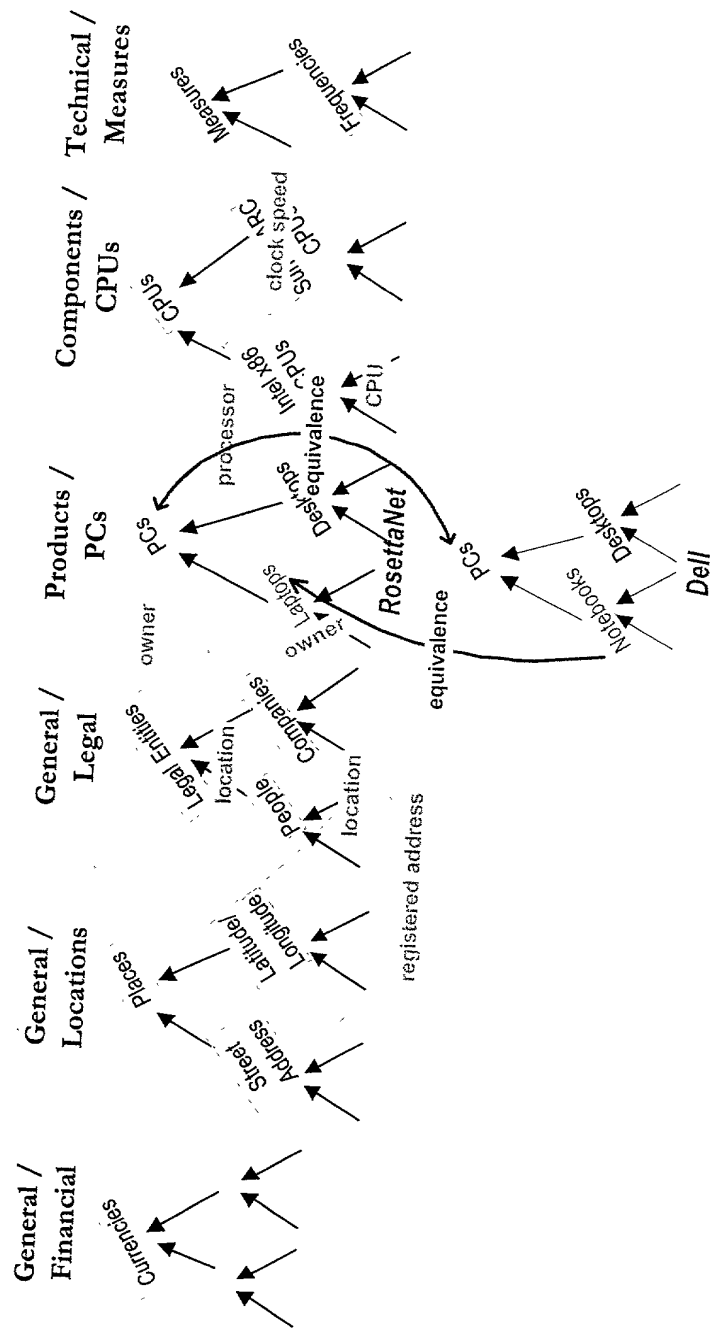


FIG. 5F

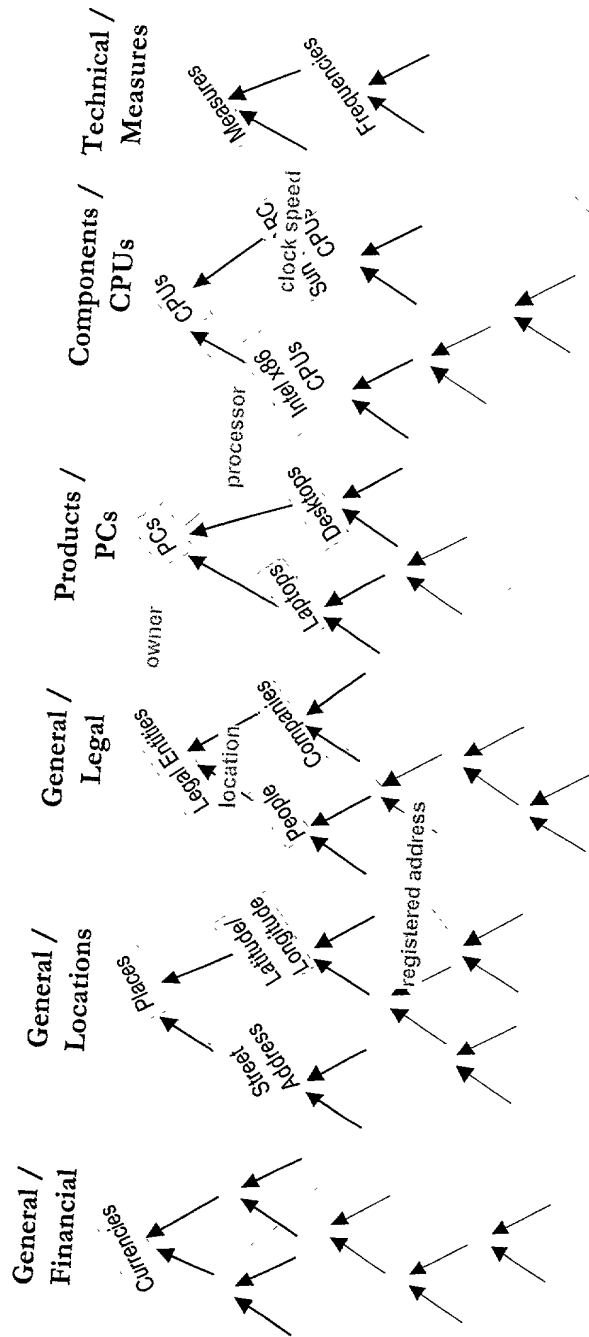


FIG. 5G

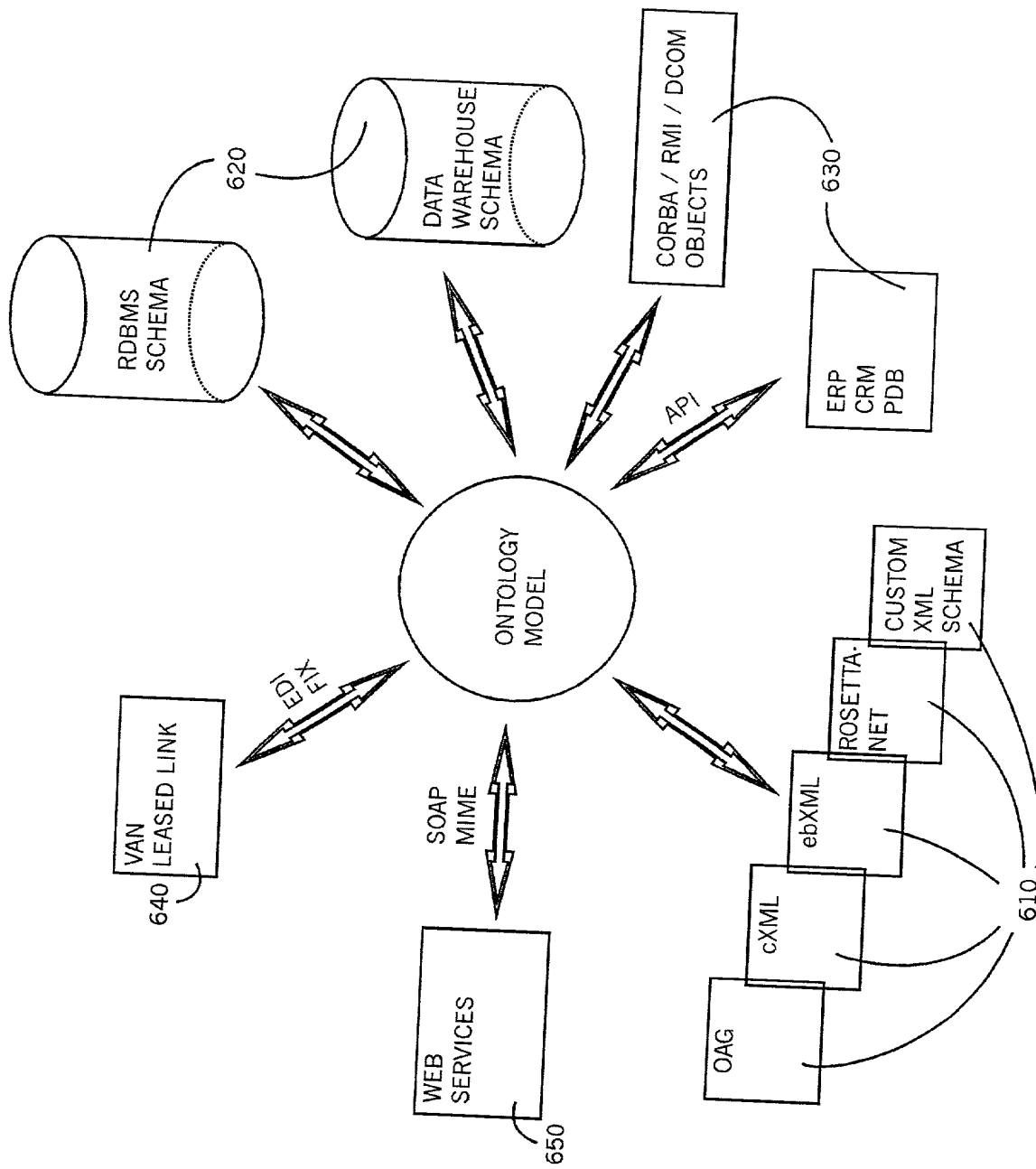


FIG. 6

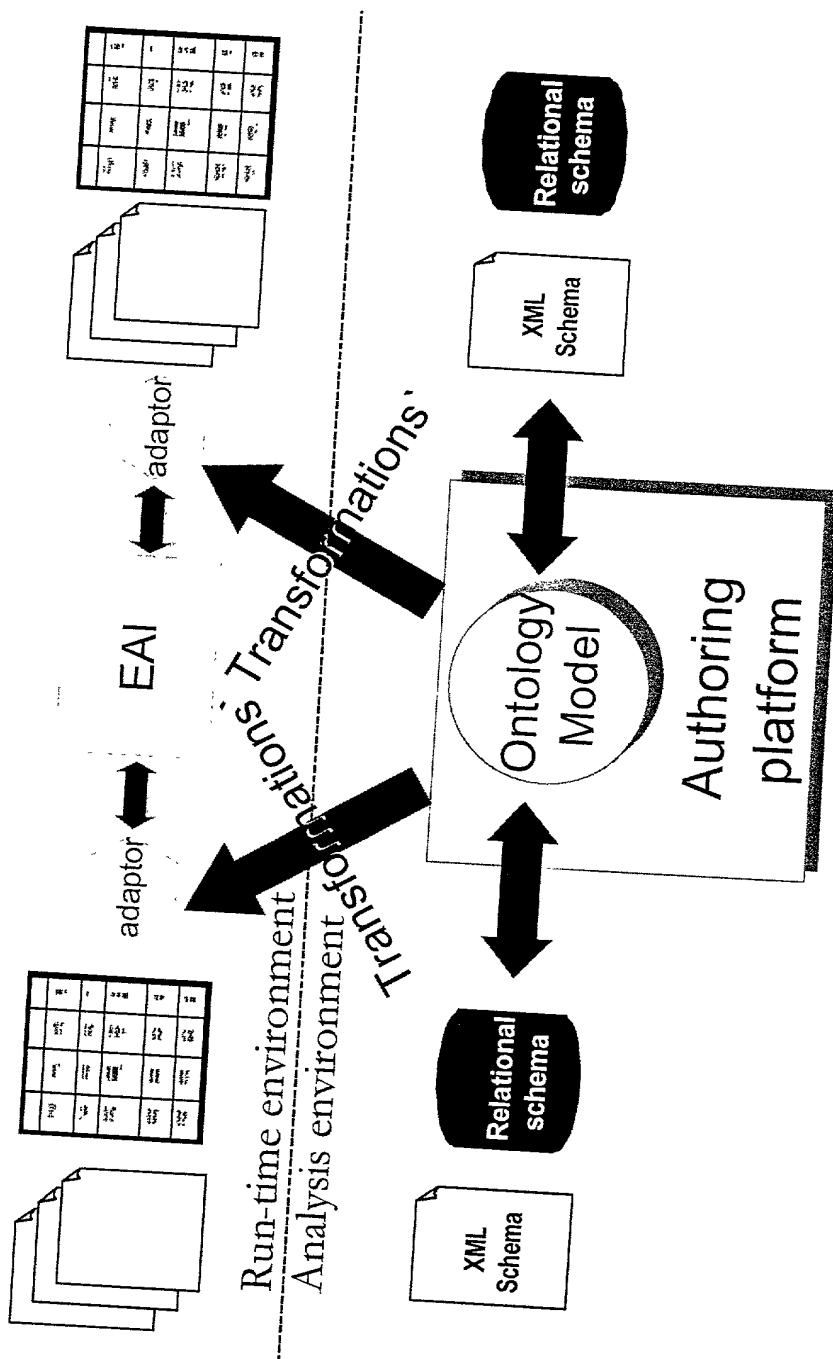


FIG. 7

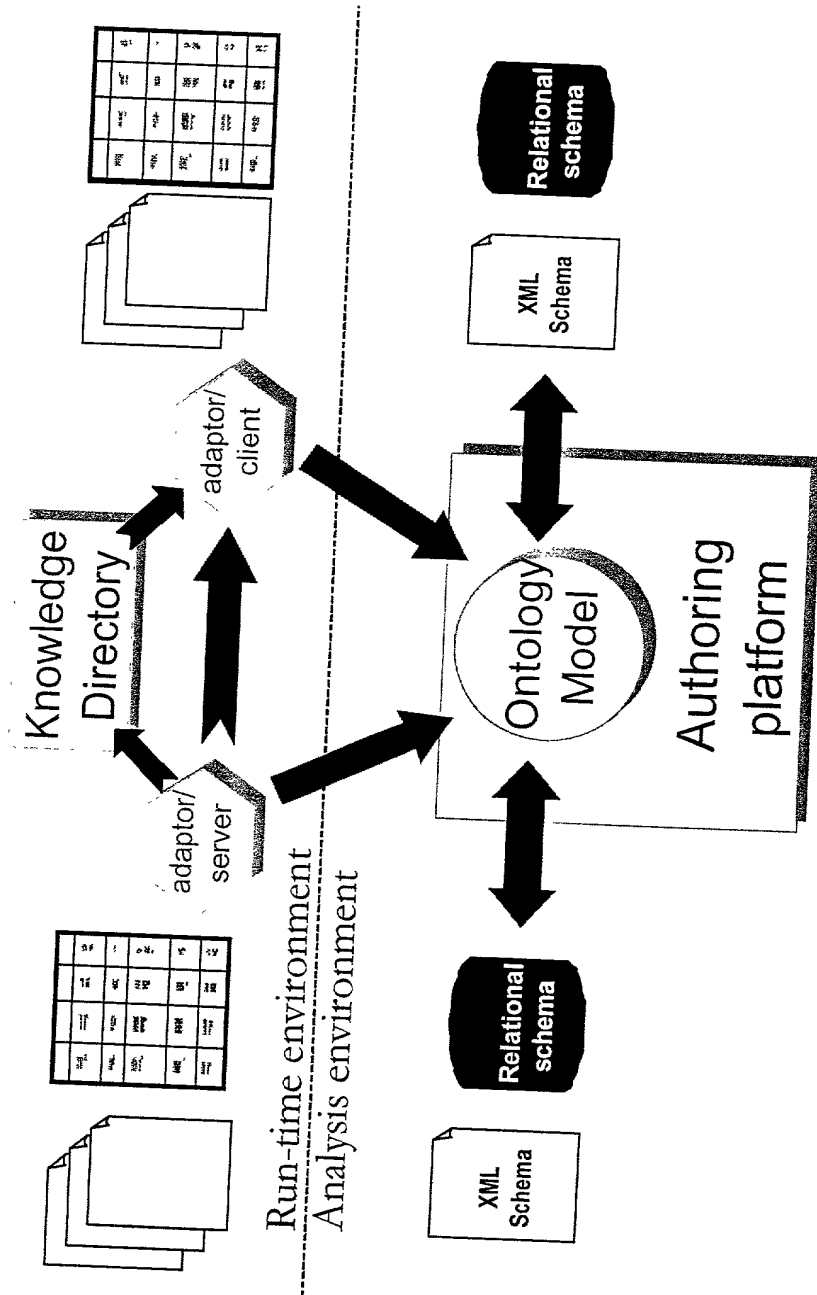


FIG. 8

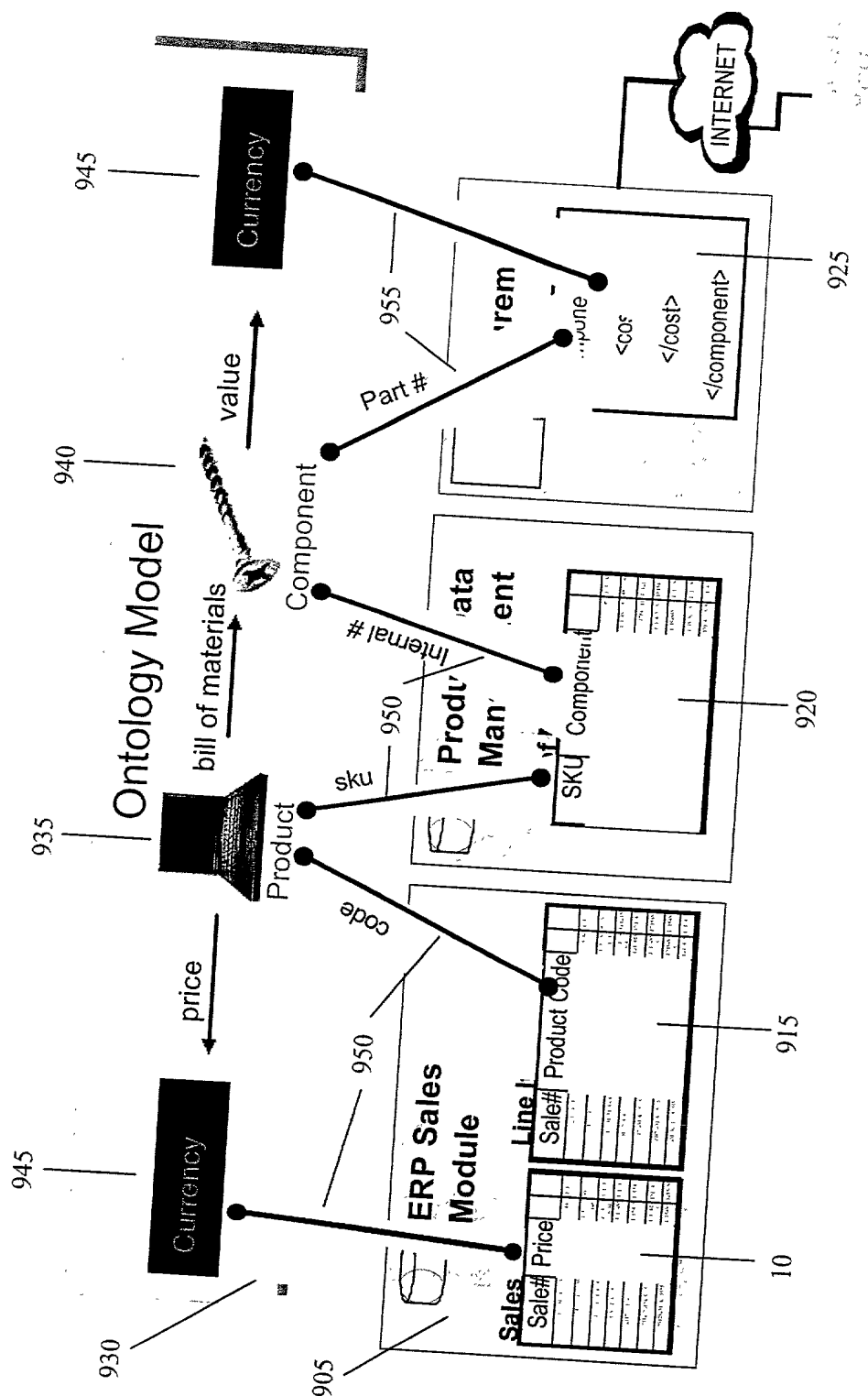


FIG. 9

FIG. 10

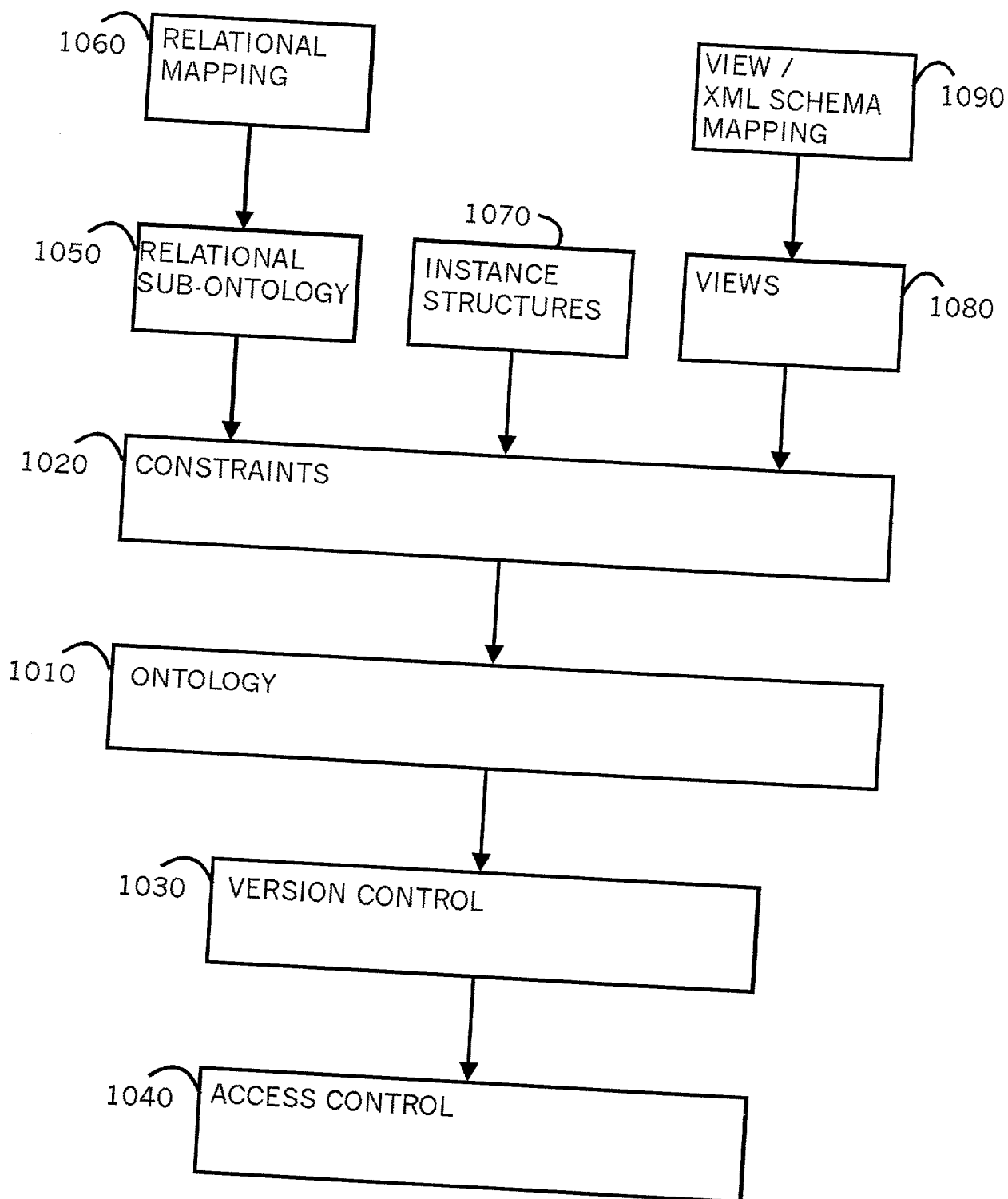


FIG. 10

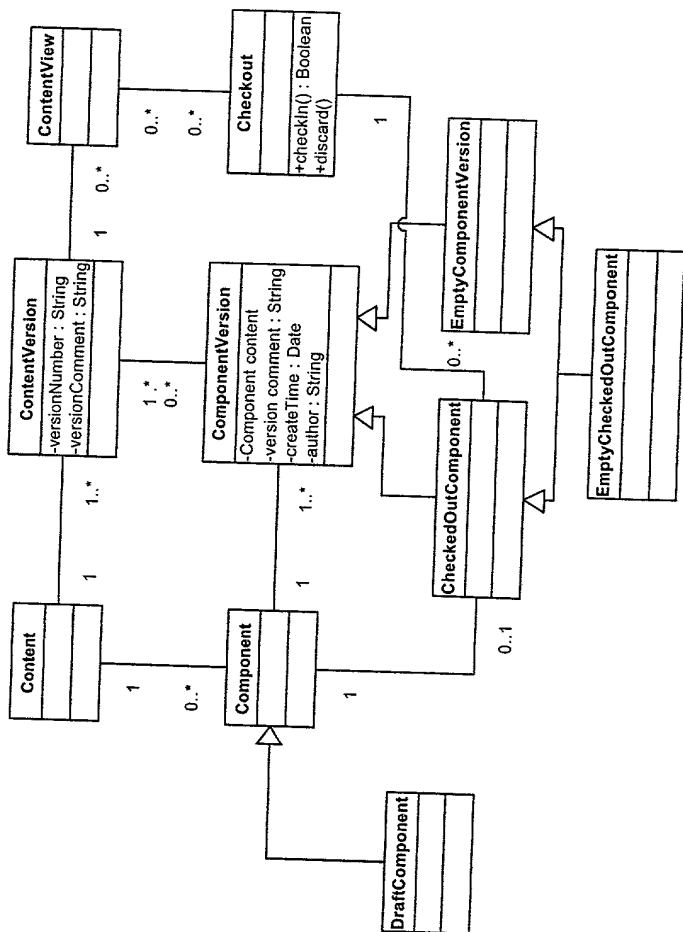


FIG. 11

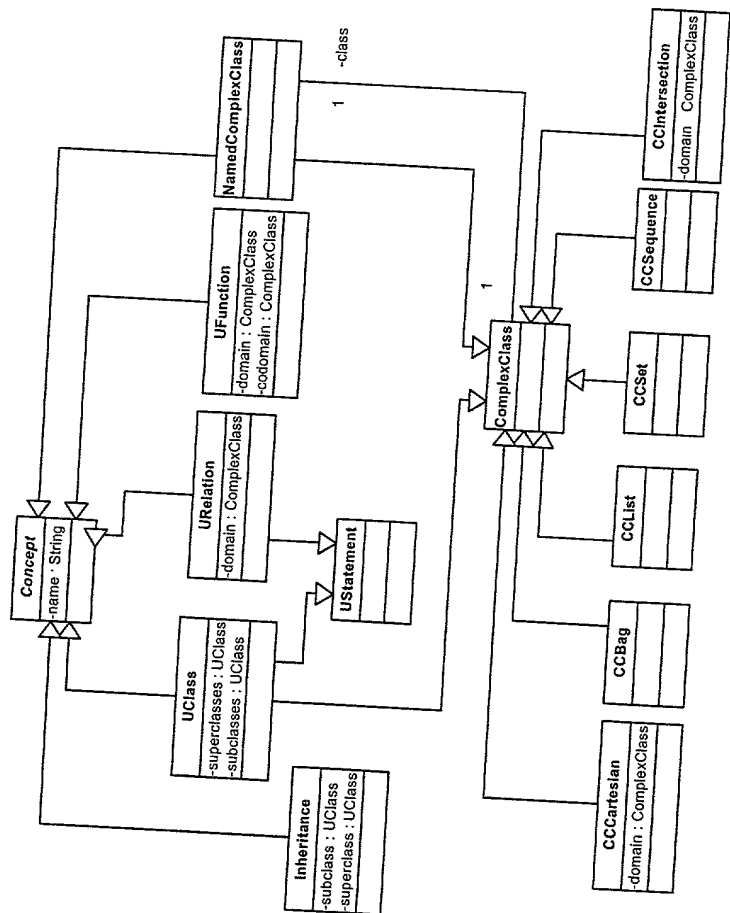


FIG. 13

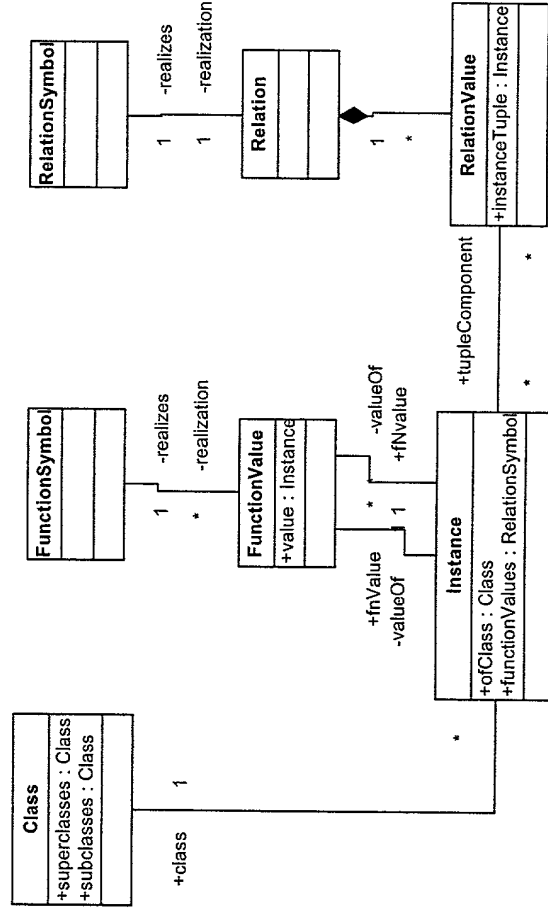


FIG. 14

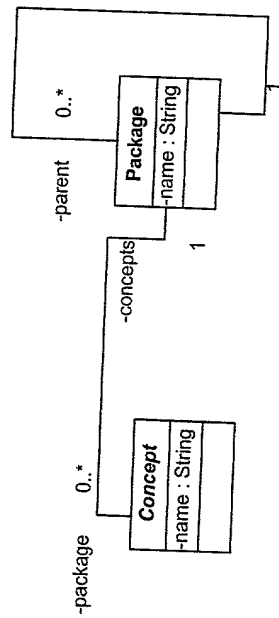


FIG. 15

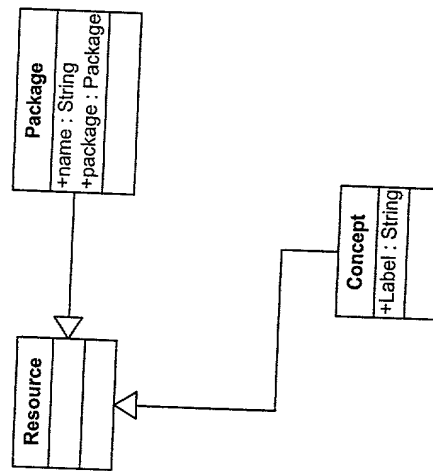


FIG. 16

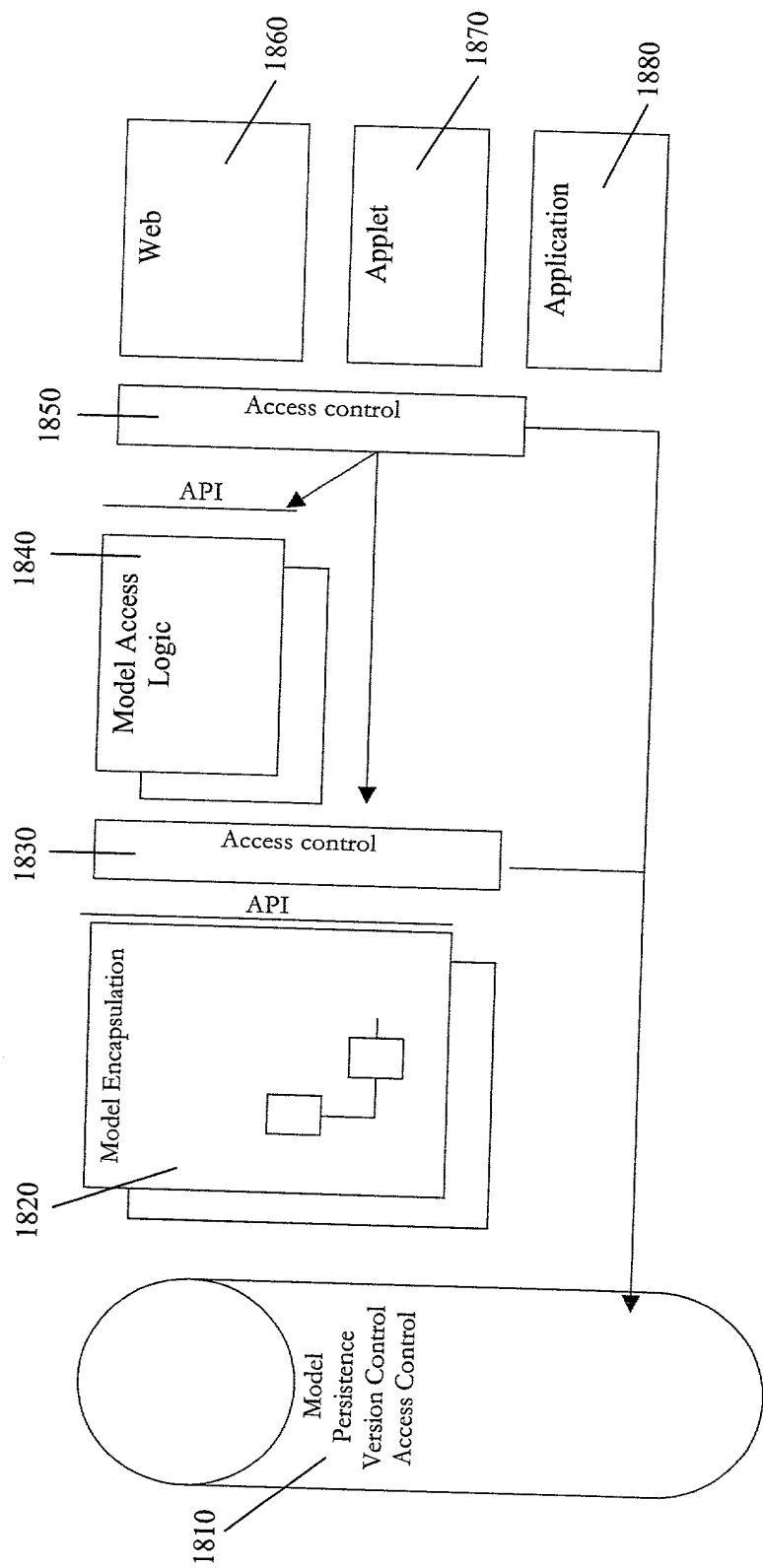


FIG. 18

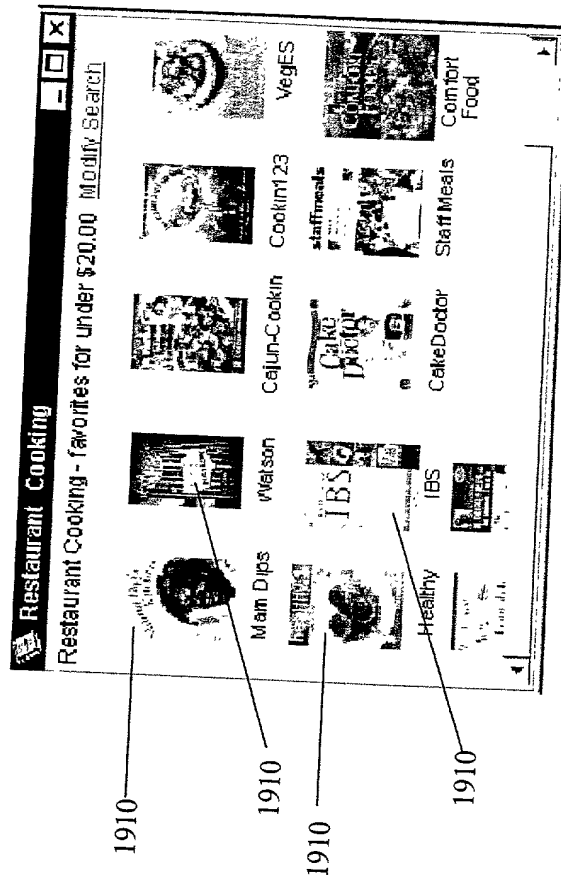








FIG. 20A

 Help / Search

 View Page

 Properties

 Do It!







 Buy Similar Book	—	2010
 Contact Author	—	2020
 Contact Publisher	—	2030
 Join Discussion Board	—	2040
 Sell Your Copy	—	2050
 Submit Your Recipe	—	2060

FIG. 20B

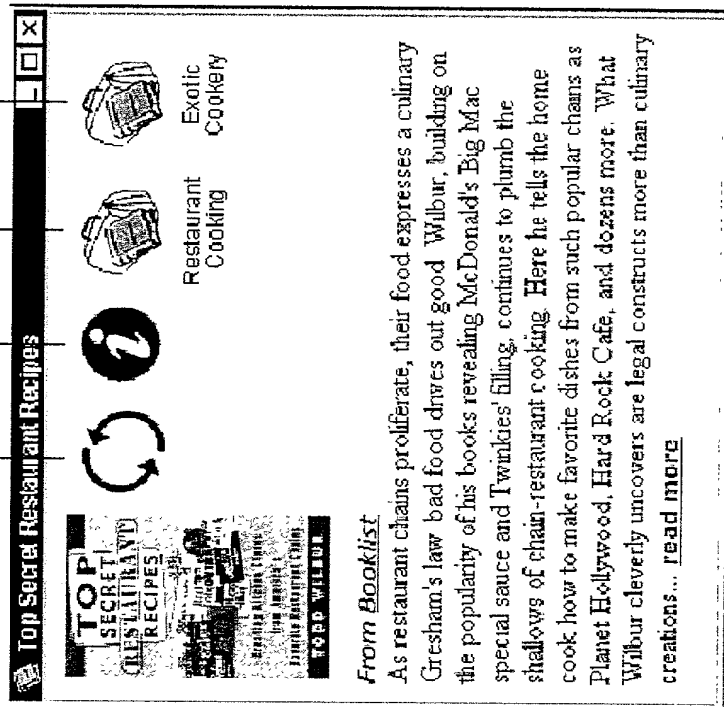


FIG. 21A

FIG. 21B

1. *Chlorophyll a* (Chl *a*) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum. Chl *a* is essential for the light-dependent reactions of photosynthesis, where it converts light energy into chemical energy.

2. *Chlorophyll b* (Chl *b*) is an accessory pigment found in green plants and algae. It is a yellow-green pigment that absorbs light energy in the blue and orange-red regions of the visible spectrum. Chl *b* transfers the absorbed energy to Chl *a* for use in photosynthesis.

3. *Carotenoids* are a group of pigments that include carotenes and xanthophylls. They are responsible for the yellow, orange, and red colors seen in autumn foliage. Carotenoids act as accessory pigments, absorbing light energy and transferring it to Chl *a*. They also play a role in protecting the photosynthetic apparatus from damage by reactive oxygen species.

4. *Xanthophylls* are a subclass of carotenoids that are yellow in color. They are involved in the light-harvesting process and also play a role in the xanthophyll cycle, which helps protect the plant from excess light energy by converting xanthophylls into zeaxanthin.

5. *Anthocyanins* are water-soluble pigments that give plants their red, purple, and blue colors. They are not directly involved in photosynthesis but can protect the plant from damage by absorbing excess light energy and acting as antioxidants.

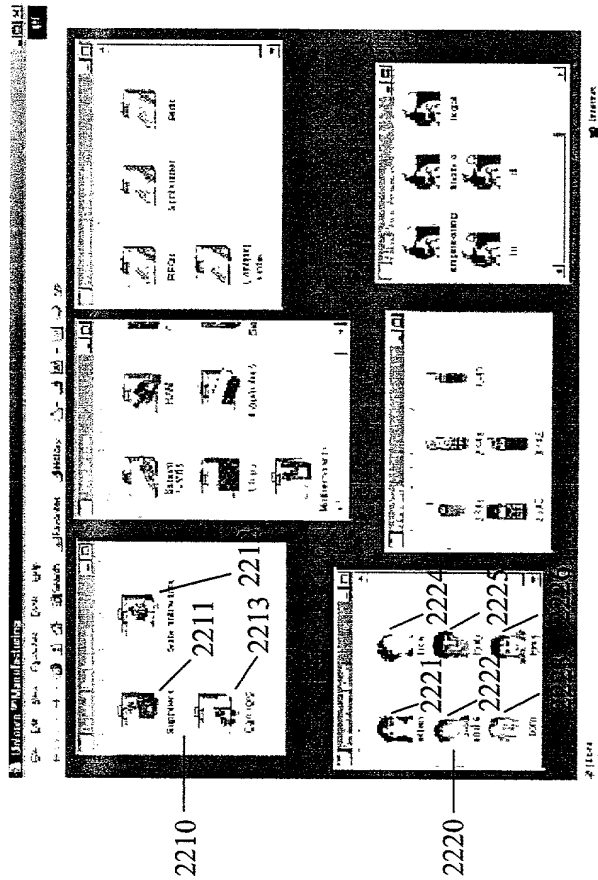


FIG. 22A

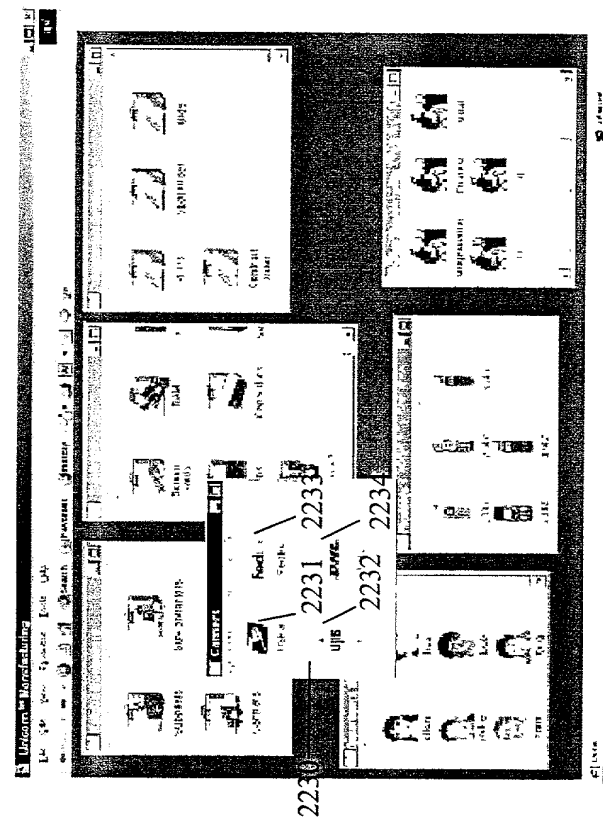


FIG. 22B

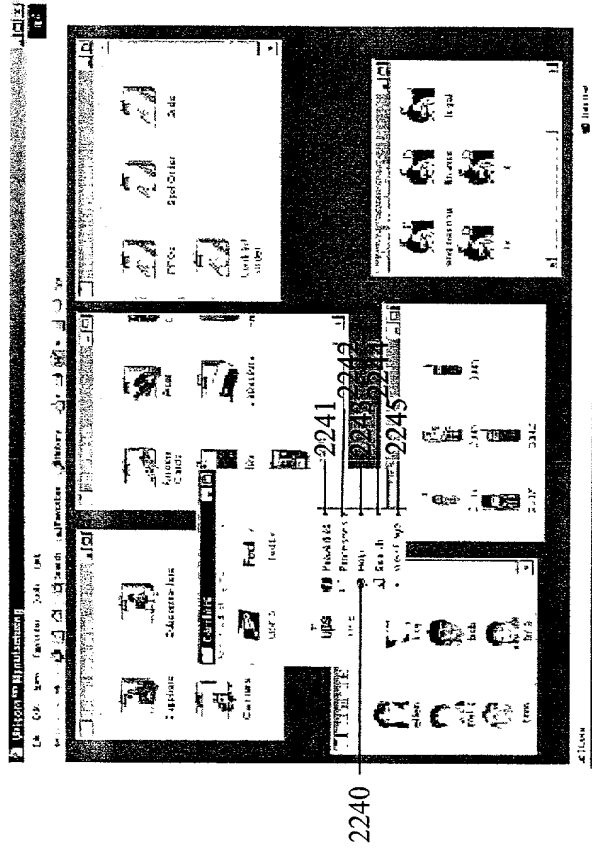


FIG. 22C

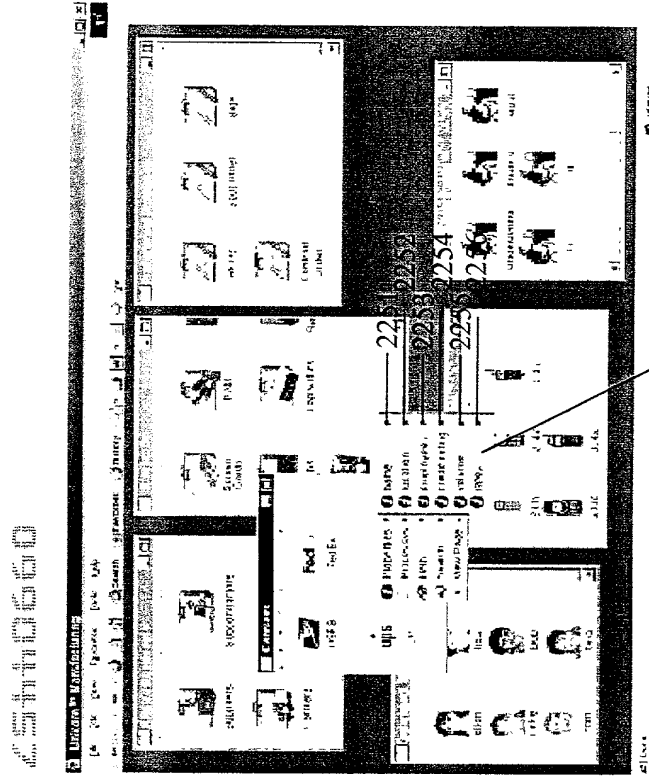


FIG. 22D

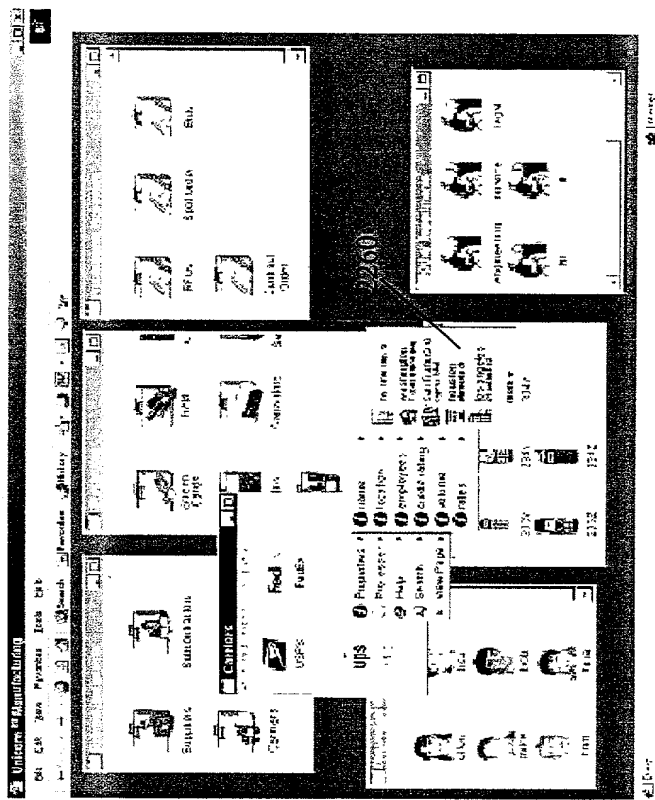


FIG. 22E

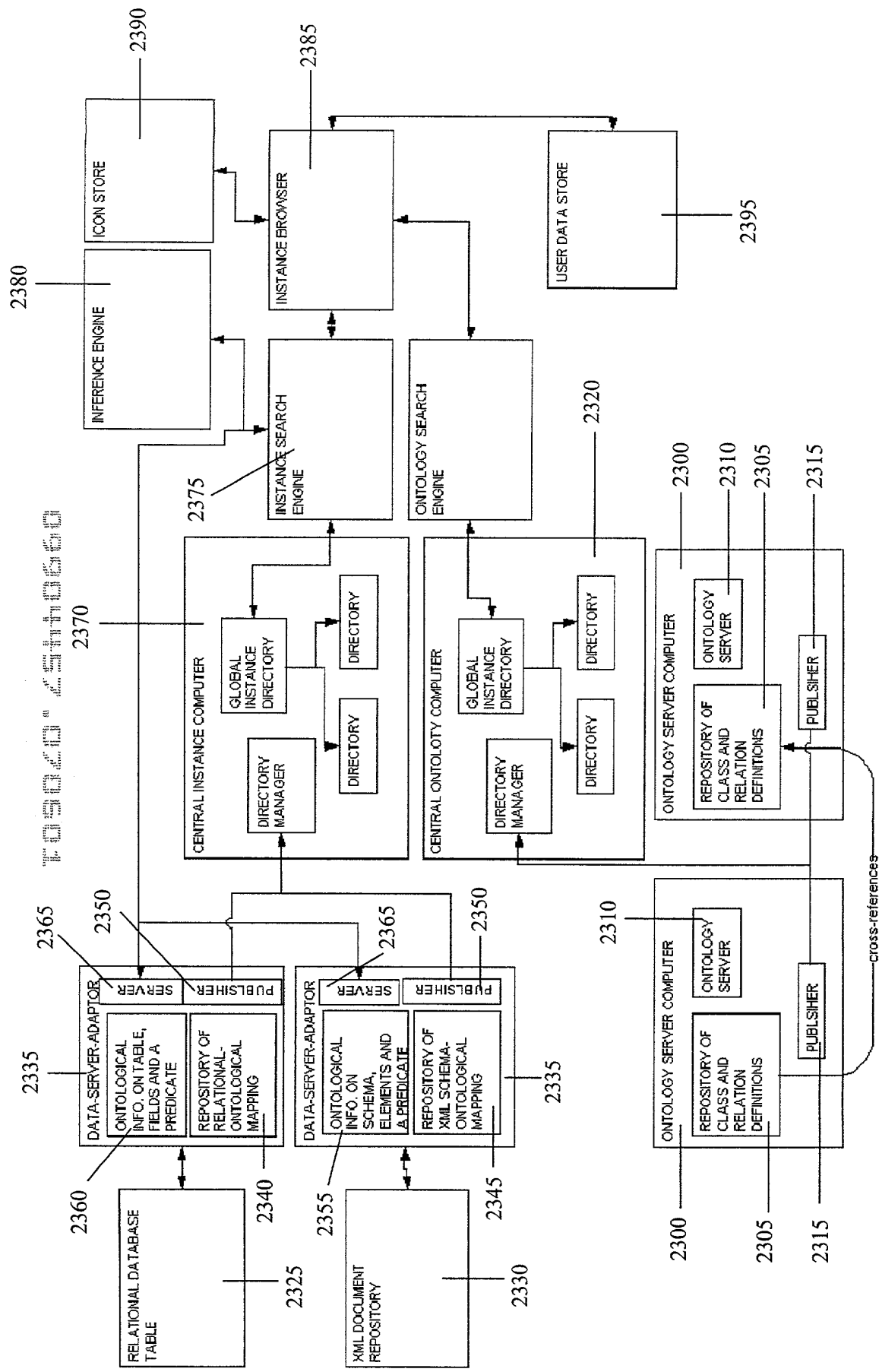


FIG. 23

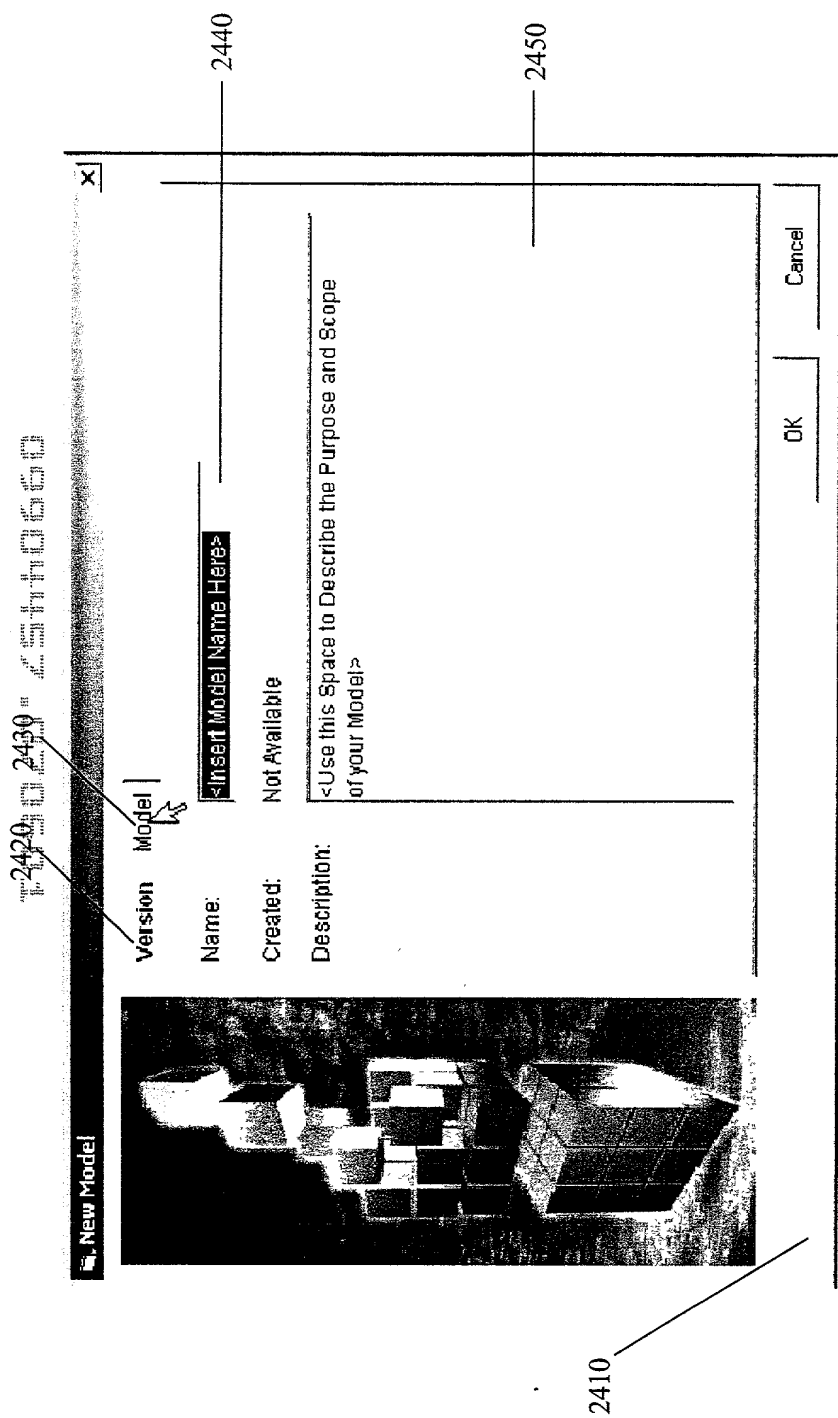


FIG. 24A

2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500

2460

New Model

Version | Model |

Model Name: Not Defined

Number: 1

Author: <Insert Your Name Here> 2470

Last Saved: Not Available

Label: <Insert Key Phrases that Describe this Version Here> 2480

Comment: <Use this Space to Describe and Document the Version> 2490

OK Cancel

FIG. 24B

New Model

Version | Model |

Model Name: Not Defined

Number: 1

Author:

John Smith (Worldwide IT)

Last Saved: Not Available

Label:

Base Classes

Comment:

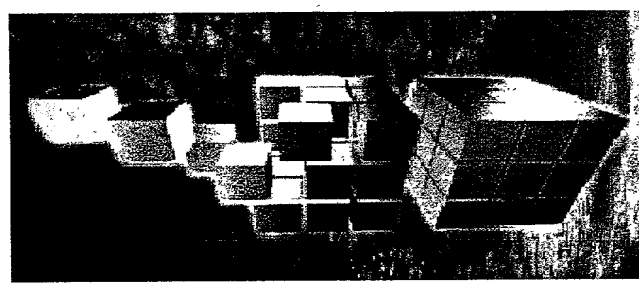
Version will incorporate base classes for the model as listed at:
 \\WorldwideIT\ontologydev\build\01\structure.doc

OK

Cancel

FIG. 24C

IT Ontology



Version	Model
Name:	IT Ontology
Created:	04/22/01 10:42
Description:	<p>Scope of the model at this stage is all IT activities within the Reuters IT Development Division (Worldwide) for internal use only.</p> <p>The model is subject to the use guidelines defined by the ontology development working group (documentation available on the intranet)</p>

FIG. 24D

2505

New Class

Name: New Class 2510

Namespace: <Newspaper.Journalism> 2515

OK Cancel

FIG. 25A

2520

Create Relation

Name: Written_By 2525

Namespace: <Newspaper.Journalism> 2530

Domain: Article<Newspaper.Journalism>XAuthor<Newspaper.Journalism> 2535

Class Description: None 2540

Edit...

OK Cancel

FIG. 25B

Create Property [X]

Name: [Manufacturer] 2550

Property of: Servers «IT.Equipment Hardware.Servers» 2555

Type: ☒ Simple Classes

☐ Complex Class

[Browse...] 2555

[Compose...] 2560

Property Description

[None] 2545

[OK] [Cancel]

FIG. 25C

Complex Class Definer

^A(Editor<newspaper:journalism>*Uis{f^(AColumnist<newspaper:journalism>*Article<newspaper:journalism>)})

[2 Components] [+] [-]	Cross Product	X	Class...	List	Seq.	Set	Bag	Delete
------------------------------	---------------	---	----------	------	------	-----	-----	--------

Show: ☒ Full names
☐ Short names

OK Cancel

FIG. 25D

2570

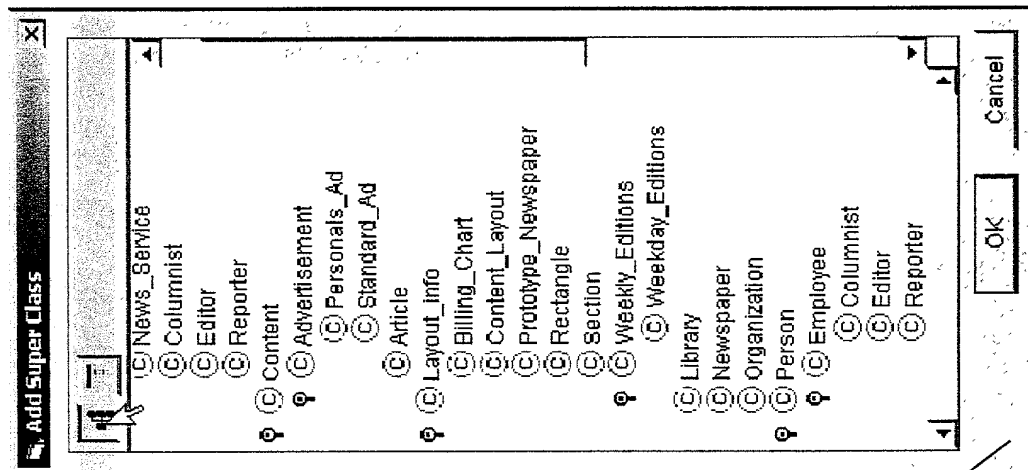
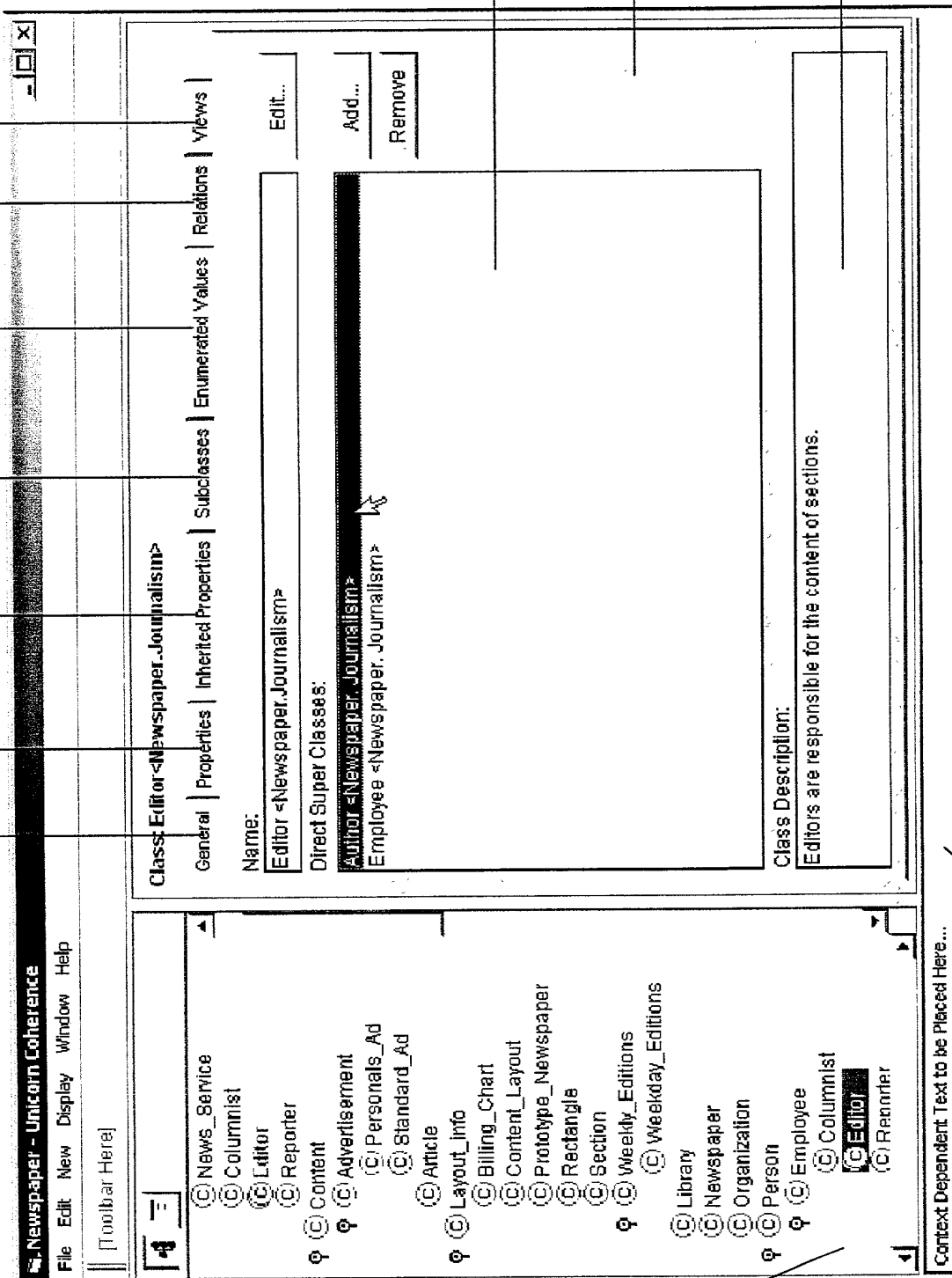


FIG. 25E

2616 2620 2624 2628 2632 2636 2640



2608

FIG. 26A

2604

2644

2612

2648

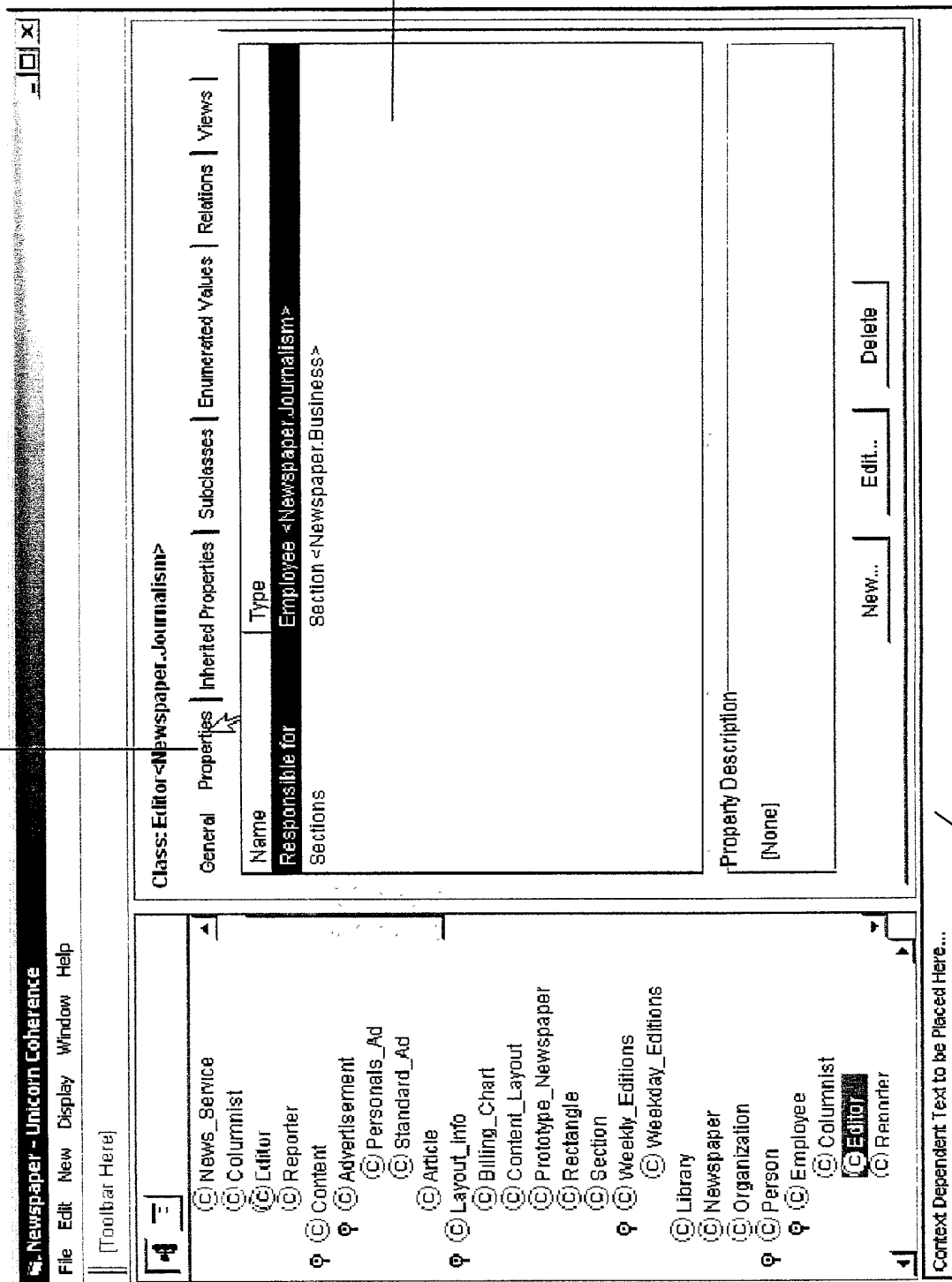


FIG. 26B

2652

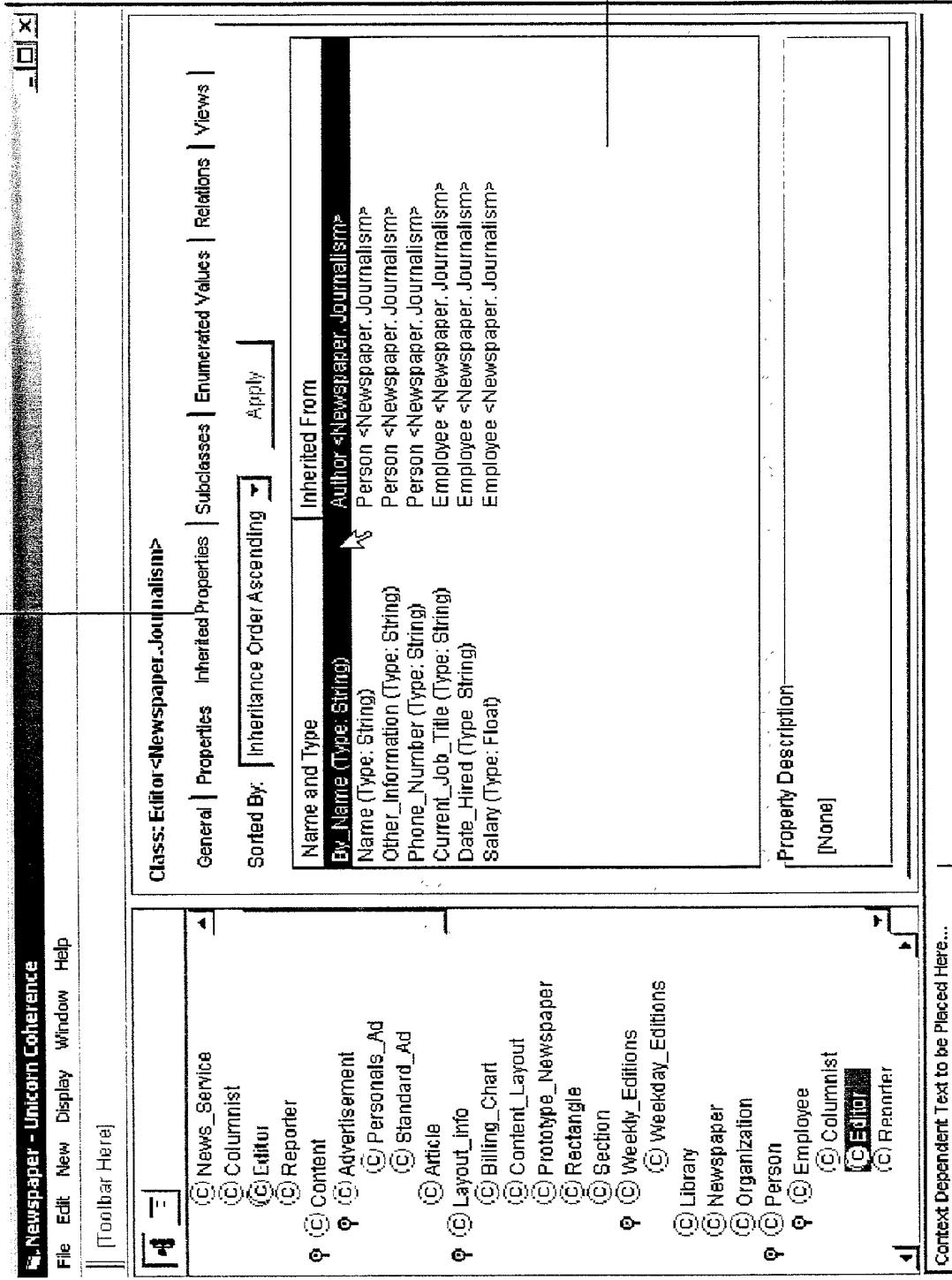


FIG. 26C

2660

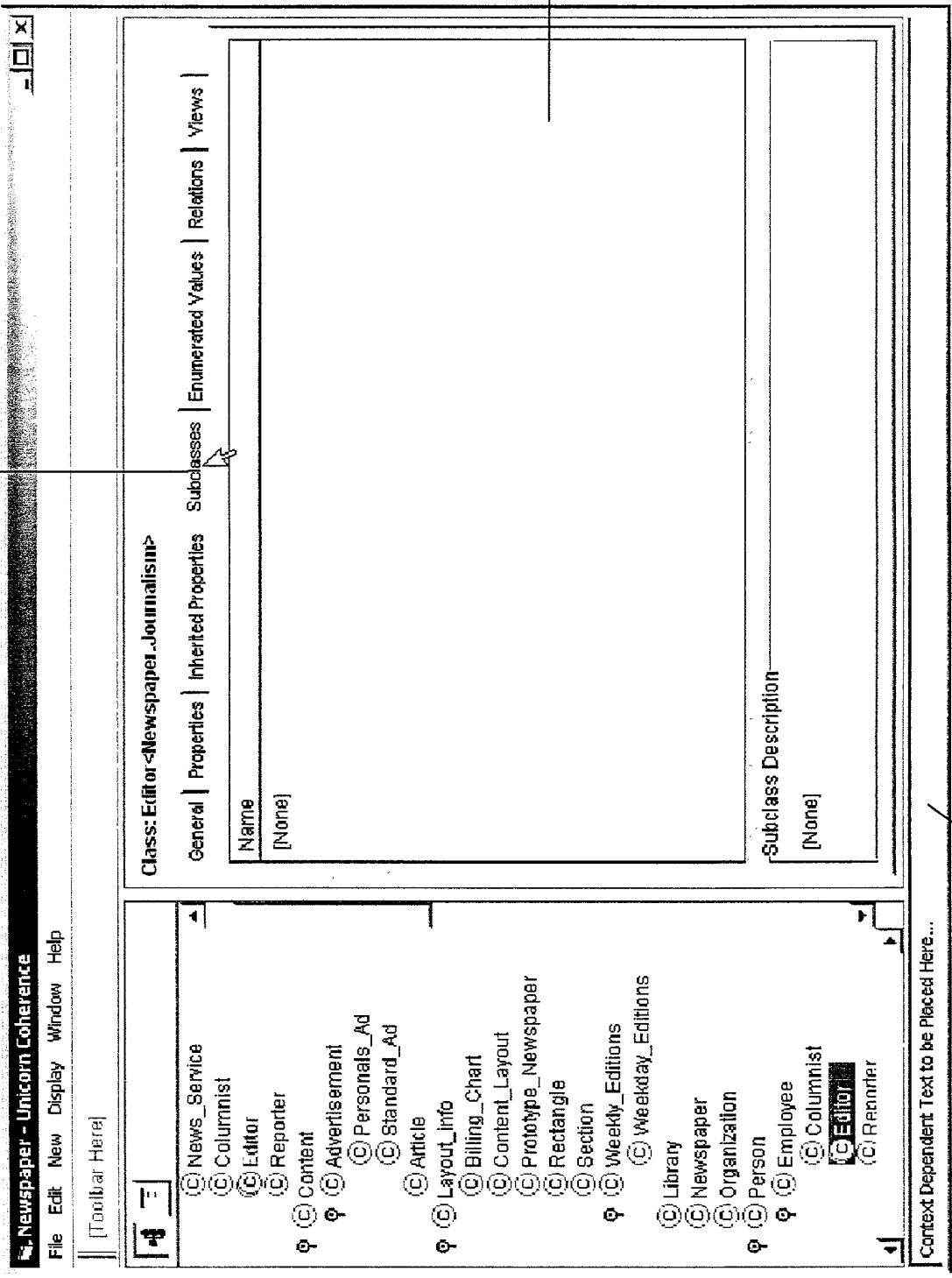


FIG. 26D

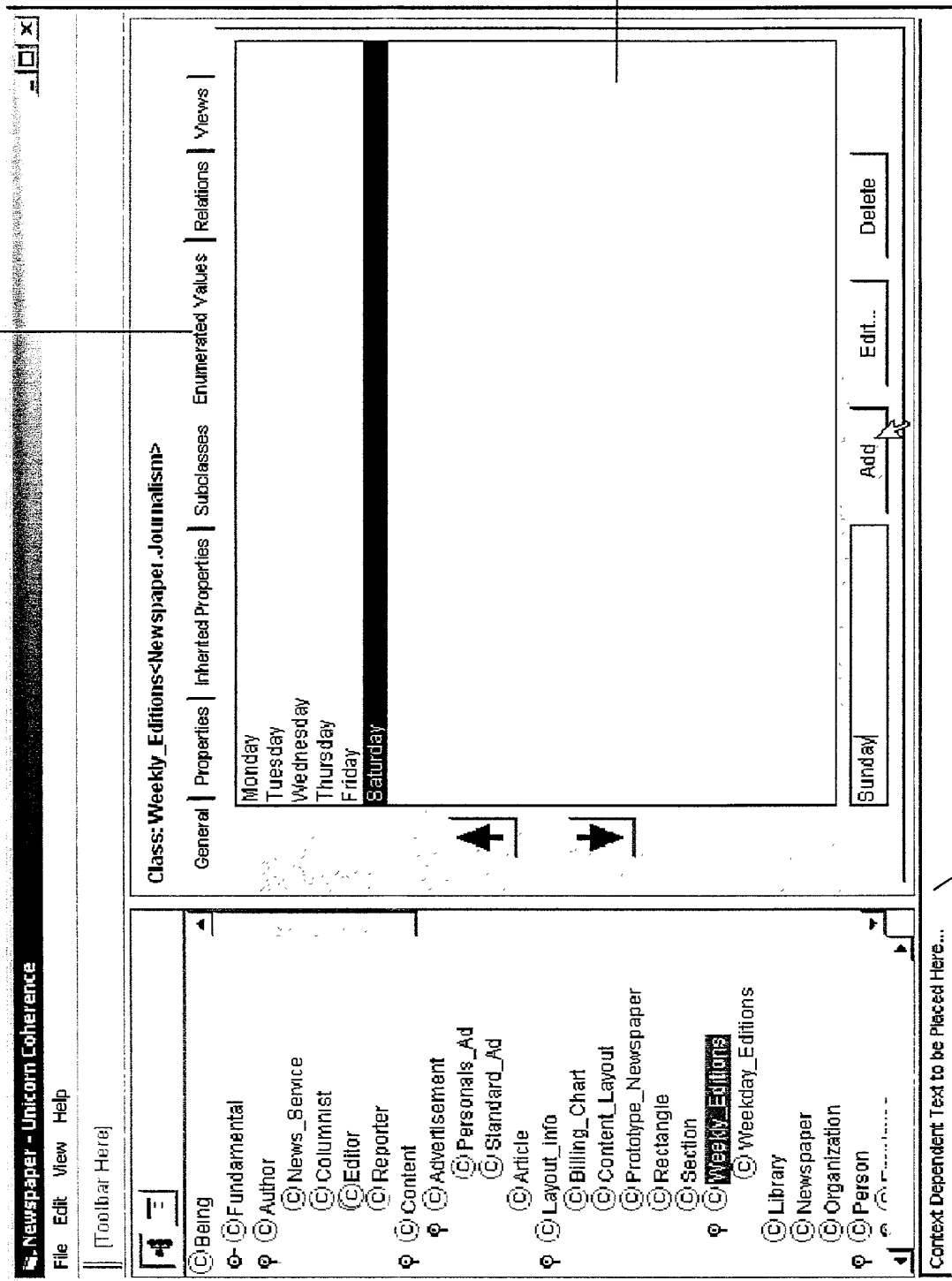
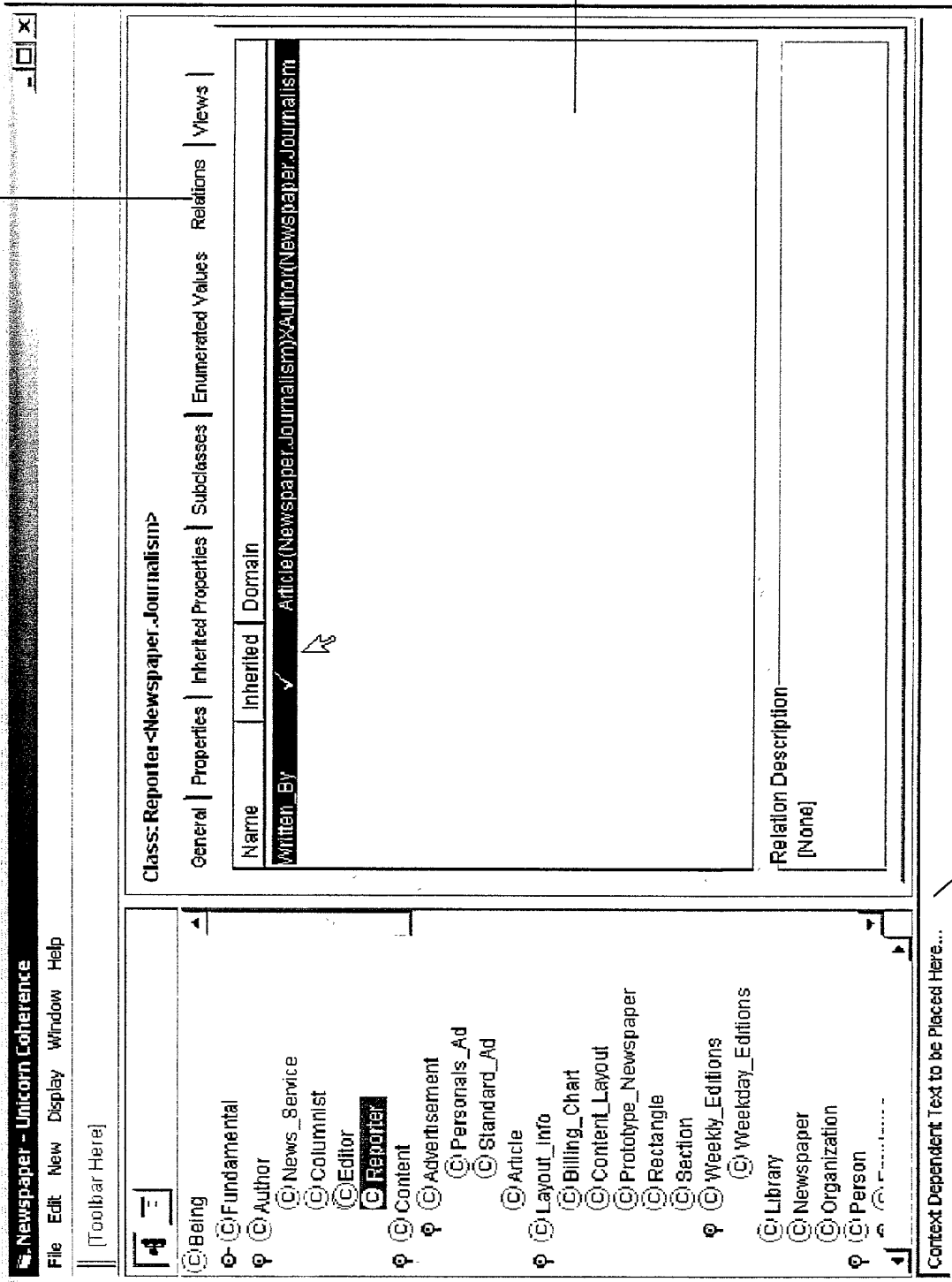


FIG. 26E



2688

FIG. 26F

2684

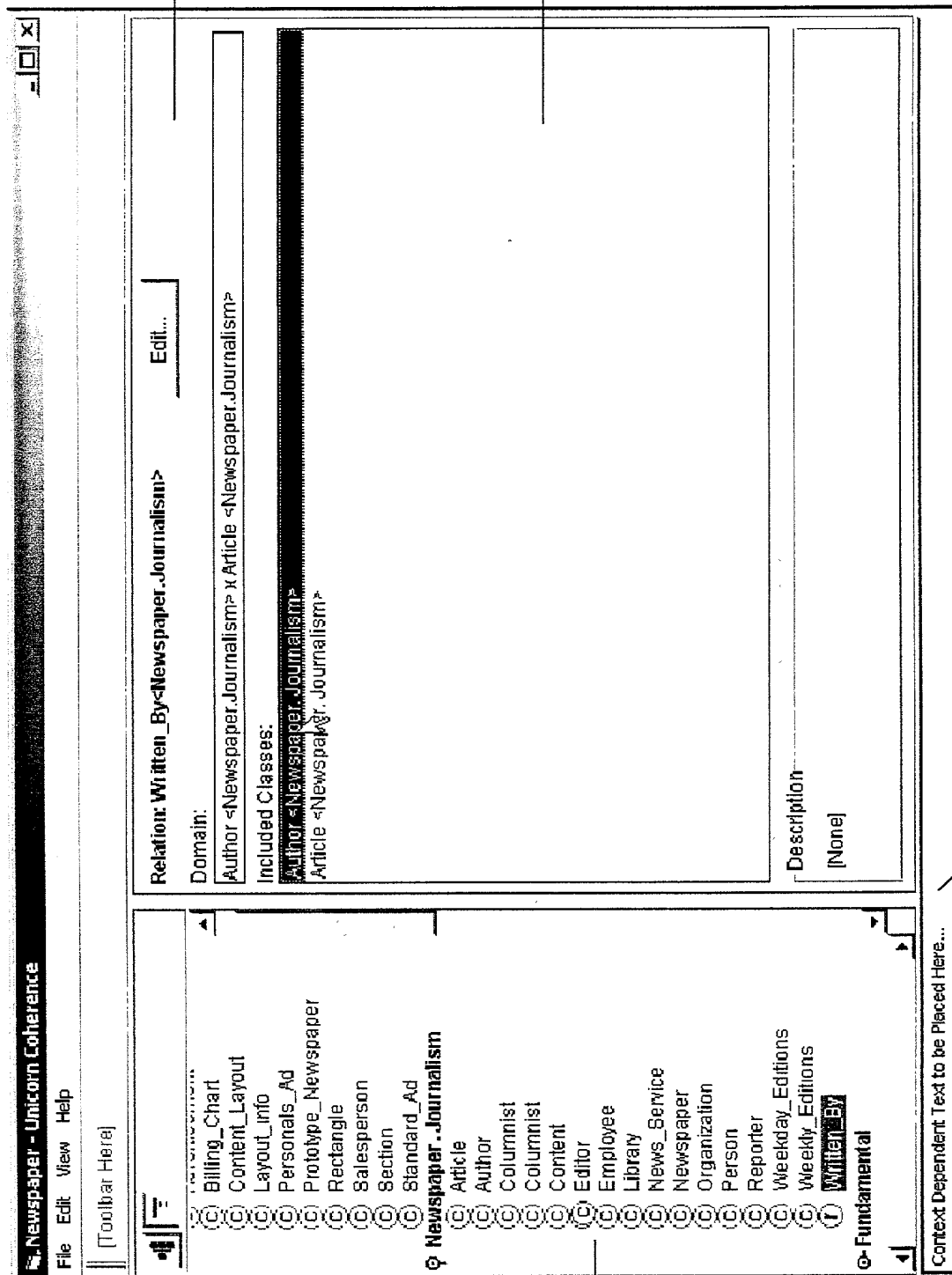


FIG. 27

Open / View

Model

Name	Last Modification	Creation Date
IT Ontology (2)	05/24/01 16:01	05/21/01 13:02
Reuters Corporate Outsourcing (14)	05/24/01 16:37	04/13/01 09:34
Reuters Marketing (2)	05/26/01 11:03	05/24/01 11:45

Version

#	Author	Last Saved	Status	Label
2	Winnie Lepooh	05/26/01 11:03	Available	Internal Documents and Forms
1	Pat Postman	04/27/01 16:23	Read Only	Corporate Structure

Find

OK

Cancel

FIG. 28

Find

Define Criteria

Element: Model Name

Condition: Contains

Value: IT

Add to List

Model Name contains IT

Match All

Match Any

Find

Delete Line

Model:

Name	Last Modification	Creation Date
IT Ontology (2)	05/24/01 16:01	05/21/01 13:02

Versions:

#	Author	Last Saved	Status	Label
2	Winnie Leacock	05/24/01 16:01	Available	Internal Documents and Forms
1	Pat Postmar	05/26/01 11:03	Read Only	Corporate Structure

OK

Cancel

2910

FIG. 29

2920

2930

2940

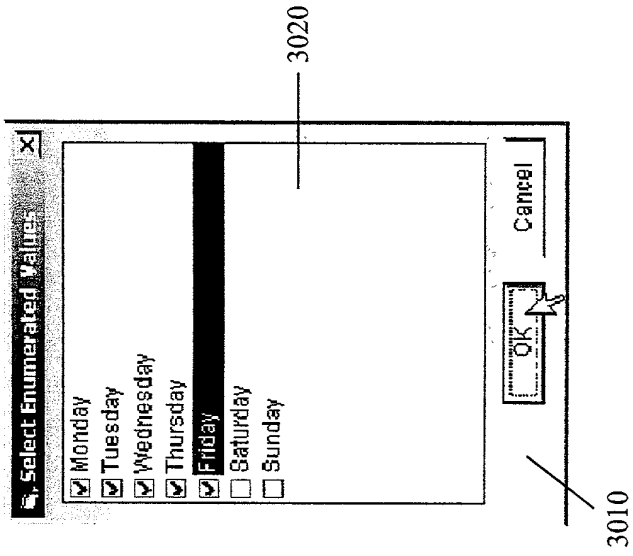


FIG. 30A

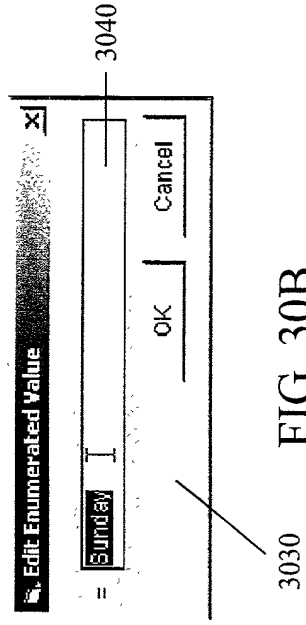


FIG. 30B

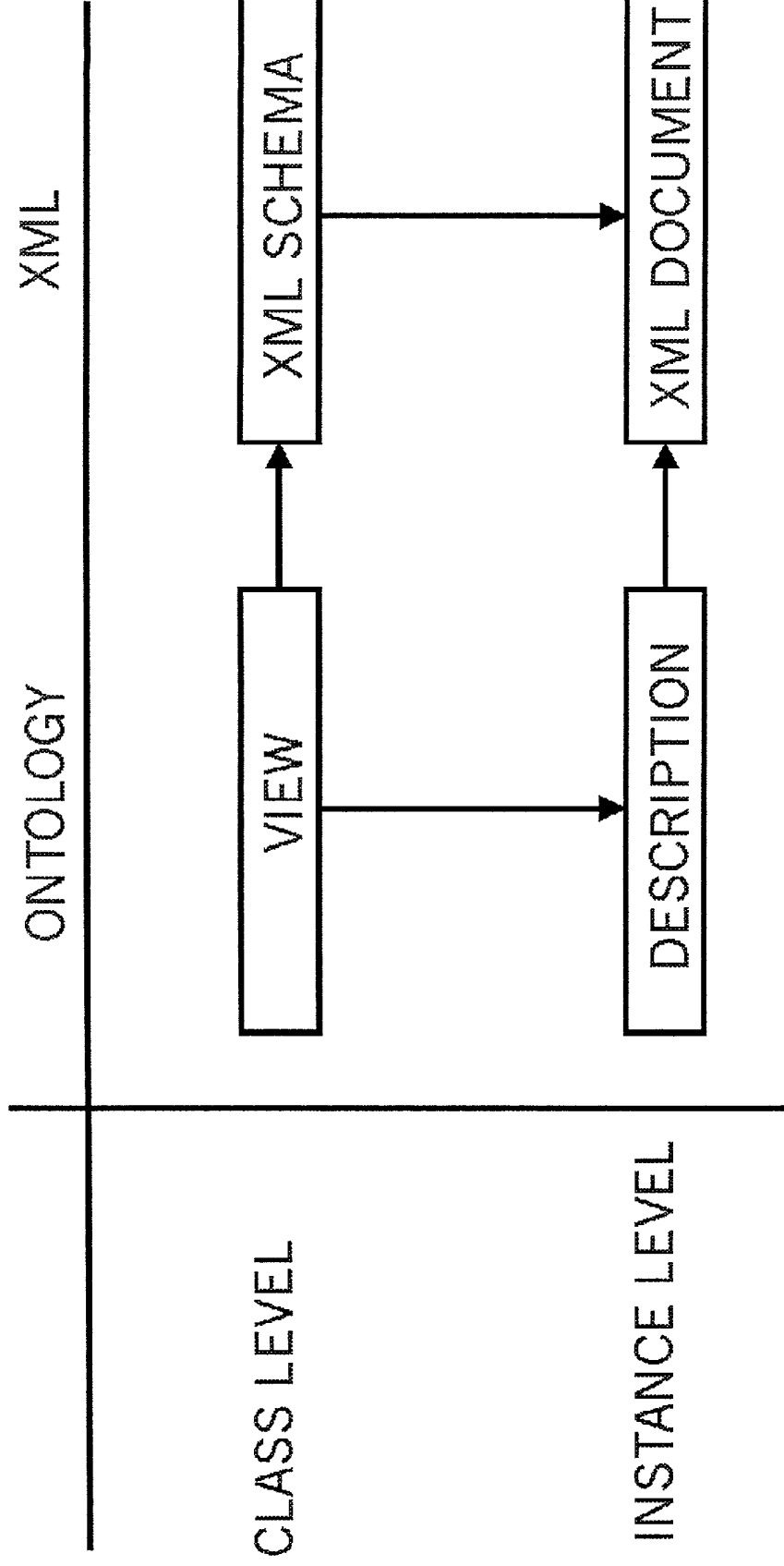


FIG. 31A

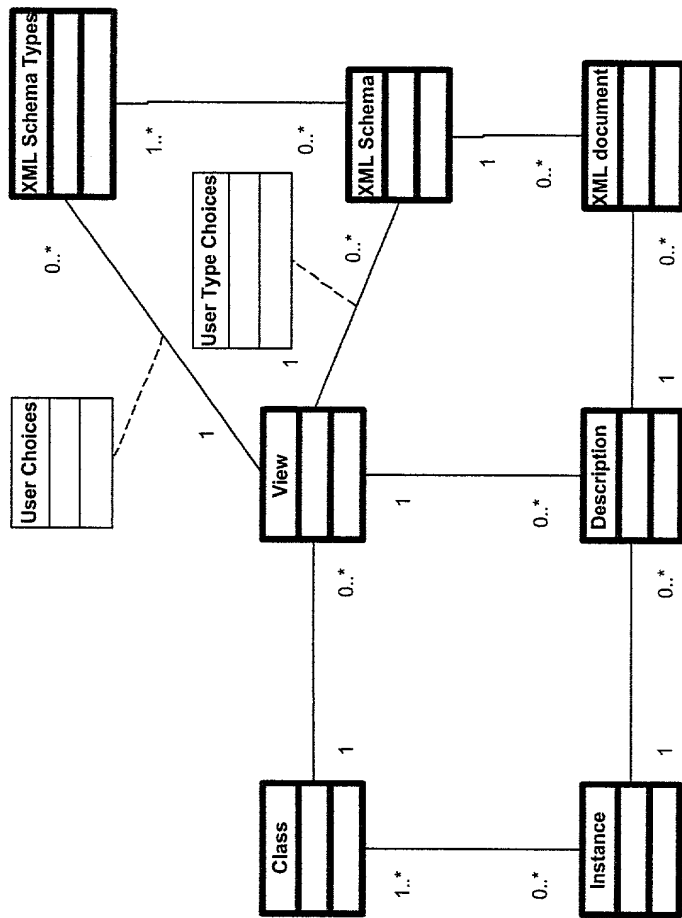


FIG. 31B